

**UNIVERSITATEA DE VEST DIN TIMIȘOARA**

**DOCTOR HONORIS CAUSA  
SCIENTIARUM**

**PROF. DR. ROMAN BECK**

*Universitatea din Copenhaga, Danemarca*



**Timișoara, 2023**

**Cuvânt**  
la deschiderea ceremoniei de acordare a titlului de  
**DOCTOR HONORIS CAUSA SCIENTIARUM**  
al Universității de Vest din Timișoara  
domnului  
**Profesor dr. Roman BECK**

*Stimați membri ai comunității academice a Universității de Vest din Timișoara,  
Distinși oaspeți,  
Dragi colegi și studenți,  
Onorați participanți,  
Stimate domnule Roman Beck,*

Trăim astăzi într-o lume care se schimbă constant, cu o viteză pe care nu am mai văzut-o până acum. Inovația și tehnologia nu mai sunt deziderate pentru viitor, ci realități care modelează viețile noastre și ne expun la noi provocări, dar și la noi posibilități. Timp de câteva decenii, oamenii au perceput un decalaj – deși nu este ceva neapărat adevărat – între mediul academic și comunitate, deoarece este adesea dificil de comunicat impactul imediat al cercetării academice. Contribuția prin cercetare adusă societății de universități este motorul pe termen lung al schimbării societale, dar mediul academic poate face o diferență reală în comunitate în fiecare zi, poate crea o punte puternică care se întinde de la săli de curs și laboratoare până la periferia orașului, oferind modele, prin promovarea valorilor autentice, prin popularizarea științei și prin apropierea oamenilor de știință și cultură. Cred cu tărie că acest rol este vital, mai ales în momentele istorice tulburătoare.

Una dintre principalele direcții urmate de Universitatea de Vest din Timișoara, ca universitate comprehensivă, este să aducă în jurul ei valorile incontestabile ale diferitelor domenii de activitate, știind că universitățile sunt, și ar trebui să fie, catalizatori pentru mediul social. Luând în serios rolul pe care i l-au dat fondatorii săi, cel de principal centru al cunoașterii din vestul României, de promotor al culturii și principal susținător al societății, Universitatea de Vest din Timișoara, prin cele unsprezece facultăți, încearcă să ofere în mod constant recunoaștere bine meritată, numelor importante ale lumii științifice, culturale, artistice, economice, sociale și politice. Astfel, aduce în centrul atenției modele valoroase pentru generațiile viitoare.

Astăzi, onorăm o personalitate specială, o persoană care înțelege pe deplin dinamismul lumii noastre de astăzi. Profesorul Roman Beck este una dintre figurile cheie ale Sistemelor Informaționale din Europa, un pionier în tehnologiile Blockchain. El a fost unul dintre primii oameni din lume care a recunoscut importanța economiei blockchain emergente. Împreună cu

echipa sa, profesorul Beck a implementat noduri de testare pentru Ethereum înainte ca acesta să fie lansat oficial. Dincolo de contribuția la stabilirea Blockchain-ului ca un nou domeniu de cercetare, domnul Beck a fost în mare măsură implicat în diseminarea acestuia dincolo de mediul academic, știind că un astfel de domeniu tehnic este greu de înțeles fără îndrumarea adecvată.

Așadar, alegerea lui ca laureat pentru ziua de astăzi a venit normal și suntem mândri că domnia sa a acceptat să devină membru al comunității noastre academice. Este un eveniment care ne onorează, dar ne și obligă să devenim mai buni și să-i urmăm exemplul în viitor.

Realizările Domniei Sale în domeniul Sistemelor Informaționale și Blockchain sunt prea multe ca să le pomenesc fără a transforma aceste cuvinte de deschidere într-o *Laudatio*, așa că voi spune doar că, la Universitatea de Vest din Timișoara, aducem în fața noilor generații exemple de carieră, care pot inspira și pot deschide noi căi de urmat. Și cred cu adevărat că profesorul Beck are o carieră care ne poate inspira. Legăturile sale cu Universitatea de Vest din Timișoara datează din 2018 când, la conferința Sisteme Informaționale Românești de la Iași, a lansat ideea că Universitatea de Vest și Timișoara ar putea găzdui cea mai prestigioasă conferință de Sisteme Informaționale din Europa, ECIS, din România. Și asta s-a întâmplat în 2022 și suntem mândri pentru aceasta și recunoscători profesorului Beck pentru idee.

Titlul onorific oferit astăzi, Doctor Honoris Causa Scientiarum, reprezintă modul în care Universitatea de Vest din Timișoara recunoaște public meritele întregii cariere de viață a domnului Roman Beck și este o formă de a-i mulțumi pentru exemplul puternic dat generațiilor tinere.

***Stimate domnule Roman Beck,***

Astăzi, oferindu-vă titlul de Doctor Honoris Causa Scientiarum, Universitatea de Vest din Timișoara vă mulțumește pentru tot ceea ce ați realizat în carieră și pentru promovarea inovației, cercetării, tehnologiei și a importanței lor în lumea modernă. Suntem onorați de prezența dumneavoastră la Timișoara și de acceptul de a deveni membru al comunității noastre academice. Vă dorim sănătate și putere să vă continuați munca cu aceeași pasiune și dăruire!

**Prof. univ. dr. Marilen-Gabriel Pirtea**

**Rectorul Universității de Vest din Timișoara**

Opening Address  
for the ceremony of awarding the title of  
**DOCTOR HONORIS CAUSA SCIENTIARUM**  
of the West University of Timișoara  
to **Mr. Roman BECK**

*Esteemed members of the academic community of the West University of Timișoara,  
Distinguished guests,  
Dear colleagues and students,  
Honoured participants,  
Esteemed Mr. Roman Beck,*

We are today living in a world that is changing constantly, at a speed that we've never seen before. Innovation and technology are no longer dreams for the future, but realities that are shaping the face of our lives and exposing us to new challenges but also to new possibilities. For several decades, people have perceived a gap - though it is not necessarily true - between academia and the community, because it is often difficult to communicate the immediate impact of academic research. The research input from universities is the long-term driver of societal change, but academia can make a real difference in the community every day, it can create a strong bridge that stretches from lecture halls and laboratories to the outskirts of the city by providing role models, by promoting authentic values, by popularizing science and by bringing people closer to science and culture. I strongly believe that this role is vital, especially in unsettling historical moments.

One of the main directions followed by the West University of Timișoara, as a comprehensive university, is to bring around it the incontestable values of the different fields of activity, knowing that universities are, and should be, catalysts for the social environment. Taking seriously the role it was given by its founders, that of the main centre of knowledge in the western part of Romania, of a promoter of culture and a main supporter of the society, the West University of Timișoara, through its eleven faculties, tries to constantly offer well-earned recognition to important names of the scientific, cultural, artistic, economic, social and political worlds. This way, it brings valuable models for future generations into the spotlight.

Today, we are honouring a special person, a person that understands fully the dynamism of our today's world. Professor Roman Beck is one the key figures of Information Systems in Europe, a pioneer in Blockchain technologies. He was one of the first people in the world to acknowledge the importance of the emerging blockchain economy. Along with his team, Professor Beck deployed test nodes for Ethereum before it was launched officially. Beyond contributing to the establishment of Blockchain as a new research field, Mr Beck has been largely involved in its

dissemination beyond academia, knowing that such a technical field is hard to understand without proper guidance.

So, choosing him as our laureate for today came just normal and we are proud that he accepted to become a member of our academic community. It is an event that honours us but also obliges us to become better and to follow his example in the future.

His accomplishments in the field of Information systems and Blockchain are too many for me to mention without transforming these opening words into a laudatio, so I will just say that at the West University of Timișoara, we bring in front of the new generations examples of careers that can inspire and can lead to new paths to be followed. And I truly believe that Professor Beck's career is a career that can inspire. His ties with the West University of Timisoara date back to 2018, when at the Romanian Information Systems conference in Iași, he launched the idea that the West University and Timisoara could host the most prestigious Information Systems conference in Europe, ECIS, in Romania. And that happened in 2022 and we are proud of it and thankful to Professor Beck for the idea.

The honorary title offered today, Doctor Honoris Causa, represents the way in which the West University of Timișoara publicly acknowledges the merits of the whole life career of Mr Roman Beck, and is a form of thanking him for the strong example given to the younger generations.

***Esteemed Mr. Roman Beck,***

Today, by offering you the title of Doctor Honoris Causa Scientiarum, the West University of Timișoara thanks you for all you have accomplished in your career and for promoting innovation, research, technology, and their importance in the modern world. We are honoured by your presence in Timișoara and by your acceptance to become a member of our academic community. We wish you health and the strength to continue your work with the same passion and dedication!

**Univ. Prof. Dr. Marilen-Gabriel Pirtea**

**Rector of the West University of Timișoara**

**LAUDATIO**  
**în onoarea**  
**domnului Prof. univ. dr. Roman BECK**  
**cu ocazia acordării titlului de**  
**DOCTOR HONORIS CAUSA SCIENTIARUM**  
**al Universității de Vest din Timișoara**

Un Honoris Causa este, prin natura sa, un eveniment rar. Ceea ce face evenimentul de astăzi și mai special, pe lângă beneficiarul acestui titlu, este arealul său academic, și anume cel al sistemelor informaționale. Deși nu avem date concrete pentru a susține următoarea afirmație, este evident că numărul de titluri Honoris Causa acordate în acest domeniu să fie considerabil mai mic, relativ la domeniile tradiționale ale științei, precum matematică, fizică sau științele naturii. O primă explicație ține de faptul că acest domeniu științific s-a conturat mult mai aproape de zilele noastre. Domeniul academic al sistemelor informaționale este doar cu puțin mai vârstnic decât domnul profesor Roman Beck și putem spune că domnia sa este chiar tânăr, cel puțin pentru un beneficiar al acestei distincții universitare. Ca membri ai Alma Mater, nu ne putem abține să nu formulăm o definiție acestui domeniu, gândindu-ne că ar putea fi utilă colegilor din alte ramuri ale științelor pentru a înțelege mai bine acest dinamic areal al cunoașterii. Având rădăcini în știința calculatoarelor, management și științele sociale, domeniul Sistemelor Informaționale este cel care umple spațiul cunoașterii legate de aplicarea și diseminarea noilor tehnologii în lumea reală, de la companii și organizații de toate felurile, la viețile noastre personale.

Acum că am definit pe scurt contextul științific al ariei de expertiză a beneficiarului titlului propus, este momentul să anunțăm că astăzi vom celebra realizările uneia dintre figurile cheie ale domeniului sistemelor informaționale din Europa, domnul profesor Roman Beck, precum și legăturile sale strânse cu Universitatea de Vest din Timișoara.

În continuare vom face cunoscute realizările științifice ale domniei sale, acestea constituind temeiul principal pentru nominalizarea de către Comisia Honoris Causa a UVT. Amplitudinea portofoliului științifico-academic este tipică pentru un laureat Doctor Honoris Causa. Însă domnul profesor Beck este, în destule privințe, și atipic. La începutul anilor '90, una dintre anecdotele din mediul academic românesc care circula cu precădere în facultățile de economie, afirma că motivul principal pentru care persoanele ajung profesori universitari ține de faptul că nu se pricep la afaceri. Nu ne putem pronunța dacă domnul profesor Beck este sau nu un om de afaceri de succes, dar cu siguranță a demonstrat că este un om de acțiune în cele trei medii în care a activat până acum: academic, instituțional și de afaceri. De asemenea, îl putem vedea în acțiune și în mass-media, unde știe să răspândească în mod convingător informații relevante despre noile tehnologii și despre

cum ne afectează acestea viața și munca, atât către profesioniști și cercetători, cât și către publicul larg.

Fără îndoială, tema de cercetare cea mai de succes pentru profesorul Beck o reprezintă tehnologiile Blockchain. Domnia sa a participat activ la dezvoltarea domeniului Blockchain și Distributed Ledger, precum și a domeniului emergent al economiei Token și Crypto. Încă din anul 2015, a fost printre primii care au înțeles importanța nou-apărutei economii bazată pe Blockchain, care a fost clasată de unii autori drept la fel sau chiar mai importantă decât însuși Internetul. Profesorul Beck și echipa sa au lansat noduri de testare pentru Ethereum încă înainte ca acesta să fie lansat oficial. A fost un pionier al cercetării Blockchain în contextul sistemelor informaționale, publicând în volumul ediției din 2016 a prestigioasei *International Conference on Information Systems* o lucrare de notorietate, amplu citată în literatura de specialitate.

Potențialul contractelor inteligente (adaptive și open-source) care pot derula tranzacții pe multiple areale naționale și/sau regimuri jurisdicționale creează premisele unei economii globalizate care se poate baza pe module de cod încorporate în sisteme reziliente și securizate.

Profesorul Beck a fost printre primii care au anticipat rolul contractelor inteligente în crearea monedelor digitale și a sistemelor blockchain naționale. De asemenea, domnia sa a preconizat și conturat domeniul cercetării care vizează sistemele autonome pro-active, domeniu care ar putea fi denumit folosind un termen propus în lucrările domniei sale drept generația următoare în digitalizare. Domnia sa a înțeles relevanța unei abordări descentralizate, cea care sprijină definirea și implementarea de modele de afaceri descentralizate în rețele, unde se poate crea și conserva valoarea.

Sistemele Blockchain nu doar că permit crearea de noi modele de afaceri, dar propun și un nou mijloc economic de a genera valoare pentru societate. Cu o înțelegere mai profundă și mai atentă decât a altor cercetători, profesorul Beck a înțeles printre primii necesitatea unei abordări multi-disciplinare și intersectoriale în educație și în cercetare, precum și a standardizării și reglementării domeniului. În viziunea domniei sale, standardele adecvate și reglementările tehnologiilor inteligente sunt garanția de securitate pentru inovare și dezvoltarea economică, acestea necesitând înțelegerea profundă și cercetarea subiectului complex al creării de valoare inter-organizațională prin folosirea tehnologiilor Blockchain. Totodată, domnia sa s-a numărat printre primii cercetători care au văzut potențialul Blockchain dincolo de Bitcoin. Pentru a contura noi direcții de cercetare, a apelat la sprijinul partenerilor din industrie și a implicat o serie de cercetători în cadrul primei Școli de vară dedicată tehnologiilor Blockchain, în anul 2016. Ca rezultat al unui hackathon organizat în cadrul acesteia putem aminti concluziile unei echipe care a colaborat cu specialiști ai companiei internaționale de logistică Maersk, obținând primul prototip de Bill of Lading bazat pe blockchain. A fost o confirmare a convingerii profesorului Beck că tehnologiile blockchain vor afecta decisiv și alte domenii, pe lângă industria serviciilor financiare.



Pe lângă implicarea constantă și consistentă în conturarea acestui nou domeniu de cercetare, domnul profesor Beck s-a implicat major în diseminarea cunoașterii în comunitatea academică, dar și în afara acesteia. Începând din anul 2017, a fost frecvent consultat de mass-media din Danemarca și Germania pe acest subiect. În anul 2018, a contribuit la documentarul "Blockchain City" realizat de influentul futurist Ian Khan, unde, alături de personalități precum Joseph Lunin, cofondator Ethereum și de Larry Sangar, cofondator al Wikipedia, a explicat cum va schimba Blockchain Internet-ul și lumea digitală, așa cum le știam. Primește din nou recunoașterea valorii sale un an mai târziu, când conferențiază, împreună cu mari personalități precum Papa Francisc, Harrison Ford și Christine Lagarde, la World Government Summit în Dubai (denumit "Davos of the desert").

Poziția sa de cercetător de top în Blockchain la nivel internațional este recunoscută și prin propunerea primită de la Harvard de a elabora un material didactic, care a fost publicat în anul 2017 și a devenit unul dintre cele mai bine vândute materiale de predare la Harvard Business School, unde de altfel a și fost invitat ca lector în cadrul programului Executive MBA. Recunoașterea valorii și cunoștințelor domniei sale este atestată și de pozițiile de Senior Editor sau Guest Editor pentru jurnale internaționale de top, precum Journal of the AIS, Management Information Systems Quarterly Executive sau Business and Information Systems Engineering.

Este remarcabilă și contribuția profesorului Beck la dezvoltarea clusterului de industrie Blockchain în Danemarca, fiind expert și mentor pentru studenții săi care au fondat sau au lucrat pentru start-up-uri sau mici companii de Blockchain. Profesorul Beck a fost în mod repetat șeful delegației daneze, reprezentând Danemarca pentru problemele legate de standardizarea Blockchain. Domnia sa a devenit președinte al Comitetului Național de Standardizare Danez pentru Blockchain și a fost membru fondator al comitetului tehnic TC307 pentru standardizare ISO pentru Blockchain și sisteme DLT (Sydney, 2017). Ca rezultat a trei ani de muncă, împreună cu peste 250 de experți din întreaga lume, sub coordonarea sa au fost finalizate și publicate la începutul anului 2022 primele specificații tehnice ale standardului ISO pentru guvernanta Blockchain. Activitatea sa de după 2017 include numeroase workshop-uri, discursuri și paneluri de dezbatere ținute online sau în persoană pe tot globul (Sydney, Tokyo, Miami, Dublin, Londra, Hiderabad și altele).

În anul 2018, profesorul Beck este desemnat de Ministerul de Economie danez să reprezinte Danemarca în Parteneriatul European pentru Blockchain din cadrul Comisiei Europene (Bruxelles), o inițiativă menită să dezvolte infrastructura europeană pentru servicii Blockchain (ESBI). Aceasta are ca scop principal crearea unei piețe europene digitale unice, care să redea autonomia și suveranitatea digitală pentru fiecare cetățean european. Profesorul Roman Beck a lucrat voluntar în grupul tehnic de lucru al acestei inițiative, fiind responsabil cu elaborarea de cazuri de utilizare care să facă mai simple și mai ușoare pentru cetățenii europeni munca, mutarea sau studiul în oricare din țările UE. Totodată, este coordonatorul unui grup de experți la CE care



lucrează la dezvoltarea de norme etice pentru Blockchain; publicarea lor în cursul anului curent va marca o premieră mondială: primul ghid de norme etice pentru sistemele Blockchain publicat de o autoritate publică.

Toate acestea îl așează pe profesorul Beck într-o poziție specială, de unde poate îmbina cunoașterea academică și rezultatele cercetării cu aplicarea lor atât în demersul ambițios de a crea o piață digitală europeană unică, cât și în cel de elaborare a unor norme etice pentru sistemele Blockchain. Fără rezerve, domnia sa poate fi numit un pioner în domeniul Blockchain, pentru că a știut să vadă implicațiile practice ale cercetării academice și să le ducă în lumea reală sub formă de reglementări, cazuri de utilizare sau specificații tehnice de standardizare.

În calitate de expert principal în chestiuni privind economia Blockchain, profesorul Roman Beck a fost de mai multe ori însărcinat de guvernele german, elvețian sau danez pentru diferite misiuni la Comisia Europeană. Merită amintit aici și studiul pe care l-a condus în Danemarca, realizat de biroul național de statistică, analizând la nivel macroeconomic impactul blockchain asupra industriei daneze. Acesta este considerat până în prezent ca fiind cea mai amplă și cuprinzătoare analiză a impactului Blockchain la nivelul unei țări. De asemenea, este remarcabilă colaborarea cu băncile centrale ale unor state (de exemplu, Germania, Danemarca, Australia, Iordania) pentru care profesorul Beck a ținut workshop-uri sau seminare, precum și cele avute cu OECD pentru care a acordat consultanță sau United Nations Economic Commission for Europe.

Profesorul Beck a fost cofondator al Bloxberg, un protocol care are scopul de a oferi "Blockchain for Science". La inițiativa institutului german Max Planck, Bloxberg include acum peste 50 de universități care găzduiesc noduri pe care rulează o rețea descentralizată care constituie cel mai mare Proof of Authority Blockchain din lume. Actualmente, Domnia sa ocupă poziția de senator în Consiliul Bloxberg, având responsabilități legate de guvernarea sistemului. Ca recunoaștere a realizărilor sale, a muncii asidue în cadrul diferitelor organizații internaționale, dar și a meritelor în diseminarea cunoașterii academice în societate și în industrie, profesorul Beck a primit de la Asociația pentru Sisteme Informaționale (AIS) în 2021 prestigiosul premiu anual Impact Award, între laureații căruia se numără personalități precum Alexander Osterwalder, autorul faimosului Business Model Canvas.

Realizările profesorului Beck ne arată și o admirabilă implicare activă în comunitatea cercetătorilor din domeniul Sisteme Informaționale, unde s-a remarcat prin sprijinirea tinerilor asistenți în carieră, dar și a studenților doctoranzi în atingerea obiectivelor lor de cercetare. Cursurile și seminarele sale au influențat sute de studenți doctoranzi, inspirând generații de tineri cercetători să se aplece critic și analitic în studierea problemelor și provocărilor sistemelor informaționale, pentru a putea ajunge la răspunsuri valide și la soluții adecvate nevoilor sociale și economice. În această idee, Școala de vară de Blockchain a devenit unul dintre cele mai longevive evenimente pentru studenții doctoranzi, tot mai numeroși de la un an la altul. Ediția a șasea din august 2023 va reuni peste 400 de studenți din toată lumea.

În domeniul de cercetare al Sistemelor Informaționale, profesorul Beck se distinge și prin calitatea de părinte fondator al arealului de cercetare privitor la crearea de valoare în sistemele descentralizate, fiind creditat cu contribuții valoroase privind strategiile, guvernanta și etica acestor sisteme. Mai recent, s-au adăugat preocupări legate de Ledgerlytics (on-ledger data analytics), arie care vizează aplicarea algoritmilor de machine learning în baze de date blockchain strâns integrate, precum și analiza interoperabilității dintre diferite sisteme DLT.

Domnul profesor Roman Beck a ocupat în cadrul AIS funcția de Director pentru Regiunea 2 (Europa, Orientul mijlociu și Africa) între anii 20016 și 2018. În 2018 a fost keynote speaker la principala conferință din Romania pe tema Sistemelor Informaționale găzduită la Iași, unde a luat naștere ideea de a nominaliza Universitatea de Vest și orașul Timișoara drept gazdă a celei mai prestigioase conferințe de Sisteme Informaționale din Europa: European Conference on Information Systems. Datorită eforturilor generoase ale Domniei sale, precum și cele ale unor colegi merituosi din Timișoara, a reușit să aducă ECIS la Timișoara în 2022, asumând-și rolul de președinte. Totodată, a reușit să găzduiască și cea mai mare conferință la nivel internațional privind sistemele informaționale: ICIS (International Conference on Information Systems) la universitatea domniei sale din Copenhaga în luna decembrie a anului 2022.

Amplitudinea cercetării științifice, materializată în lucrări publicate în jurnale influente și volume de conferințe internaționale marcante la care profesorul Beck a fost autor sau co-autor, este impresionantă. A publicat nu mai puțin de 166 de lucrări, care au cumulat peste 6400 de citări, ceea ce determină un index i10 de 84 și un h index de 33, conform Google Scholar. Drept exemplu, două dintre lucrările sale din domeniul Blockchain au, fiecare, peste 600 de citări. Aceste rezultate de excepție ale cercetării științifice îl plasează pe profesorul Roman Beck în top 3% profesori germani de economie și business, precum și în top 1% cercetători în domeniul Sistemelor Informaționale la nivel mondial.

Luând în considerare valoarea rezultatelor obținute, reputația expertizei sale, precum și însemnătatea deosebită a muncii sale de cercetare, Universitatea de Vest din Timișoara este onorată să îi confere titlul de Doctor Honoris Causa Scientiarum domnului profesor Roman Beck de la IT University din Copenhaga.

În încheiere, distinse domnule profesor, vă adresăm felicitările noastre călduroase și vă dorim o carieră lungă și la fel de excepțională în mediul academic și în cercetare.

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## COMISIA DE EVALUARE ȘI DE ELABORARE A LAUDATIO

### **Președinte:**

**Prof. univ. dr. Marilen-Gabriel PIRTEA**, *Rectorul Universității de Vest din Timișoara*

### **Membri:**

**Prof. univ. dr. Anton Trăilescu**, *Președintele Senatului Universității de Vest din Timișoara*

**Prof. univ. dr. Petru Ștefea**, *Decanul Facultății de Economie și de Administrare a Afacerilor, Universitatea de Vest din Timișoara*

**Prof. univ. dr. Dana Petcu**, *Decanul Facultății de Matematică - Informatică, Universitatea de Vest din Timișoara*

**Prof. univ. dr. Nancy Pouloudi**, *University of Economics and Business of Athens, Grecia*

**Prof. univ. dr. Marin Fotache**, *Universitatea "Al. I. Cuza" Iași*

**Prof. univ. dr. Mihai Mutașcu**, *Universitatea de Vest din Timișoara*

**LAUDATIO**  
in honour of  
**Mr. Prof. univ. Roman BECK**  
on the occasion of conferring on him the title of  
**DOCTOR HONORIS CAUSA SCIENTIARUM**  
of the West University of Timișoara

A Honoris Causa award is, by its nature, a rare event. What makes today's award even more special is not only the recipient, but also the area covered by his work, i.e., *Information Systems*. Even if we do not have enough data to support the next statement, we expect the worldwide number of Honoris Causa titles awarded in *Information Systems* to be considerably smaller, relative to more traditional fields of academic inquiry (mathematics, physics, life sciences, etc.). This is mainly because this research area was established not long ago. In fact, the academic field of *Information Systems* is slightly older than Dr. Beck, and Dr. Beck is quite young, at least for a Honoris Causa recipient.

As members of Alma Mater, we cannot help providing a definition, which may prove useful for the colleagues in other academic areas in understanding this domain of knowledge. Rooted in Computing, Business and Social Sciences, the *Information System* field fills the gap between the invention of a technology and its application/dissemination into the real-world, in companies, institutions, at home, and everything in-between.

Now that we defined (admittedly, by oversimplification) the recipient's area of expertise, it is time to disclose that, in fact, today we celebrate the accomplishments of one the key figures of *Information Systems* in Europe, professor Roman Beck, and his friendly ties with the West University of Timisoara.

Research accomplishments were the main driver in the nominating Professor Roman Beck by the HC committee. This is typical for a HC recipient. But Dr. Beck is also atypical in other respects. In early 1990s, a common Romanian academic joke was stating that, at least in Economics/Business departments, a person becomes faculty member because she/he failed as a businessperson. We do not know whether Professor Beck is a successful businessman, but he is definitely a man of action, in all three academic, institutional, and business environments. Also, he is not shy of mass-media, evangelizing the new technologies and their implications to the scholars in other knowledge areas or even to the general public.

Currently, the most successful area of interest for Professor Beck is related to the Blockchain technologies. He was involved in the establishment of Blockchain and Distributed Ledger Technology and, with it, the emerging field of the Token and Crypto Economy. Already back in 2015, he has been among the first who understood the importance of the emerging blockchain economy, which some scholars qualify as important or even more important than the Internet itself. Roman Beck and his team deployed test nodes for Ethereum before it was launched officially. He pioneered the topic of Blockchain in *Information Systems* research, by publishing a seminal paper in the proceedings of an established IS conference in 2016.

The potential of freely programmable smart contracts that can execute transaction logic across borders and jurisdictional regions opened the door for a global economy based on executable code in a reliable and secure system. Dr. Beck had foreseen that this will lead to digital currencies as well as national blockchain systems before others and has been a driving force on research explaining proactive autonomous systems, as the next generation of digitization, as he would call it. He understood the need for a decentralized mindset that allows to envision and implement decentralized business models in networks which allow to create and capture value.

Blockchain systems are not just ways for new business models but provide a new economic way for generating societal value. With an insight deeper and more reflected than many others, Prof. Beck understood very early that a multi-disciplinary, and cross-industry research and education approach is necessary, as well as international standardization and regulation of the area. Dr. Beck considers good standards and smart regulations as the safety fences for innovation and prosperous economic development, that requires deep understanding and research on the complex matter of inter-organizational value creation, as made possible by Blockchain. Roman Beck was among the first to acknowledge that Blockchain is much more than just Bitcoin, and, to illustrate its full potential, he founded the first blockchain summer school, held in 2016, where research and industry partners contributed Blockchain solutions during hackathons. The first prototype of the bill of lading on Blockchain was developed back then by the collaboration of students and Maersk, an internationally leading shipping company. It proved that Blockchain is more than just a technology that will affect the financial services industry.

Beyond contributing to the establishment of Blockchain as a new research field, Mr. Beck has been largely involved in its dissemination beyond academia. Since 2017, he was frequently consulted by the Danish television when Blockchain topics were covered and gave several interviews in Danish and German media. In 2018, Dr. Beck was featured in a Blockchain documentary called “Blockchain City”, produced by Ian Khan, where he was next to Joseph Lunin, co-founder of Ethereum, or Larry Sangar, co-founder of Wikipedia, among others, to explain how Blockchain is going to change the Internet and digital world as we know it. One year later, he presented his work at the World Government Summit in Dubai, also called the Davos of the desert, where he was listed as a speaker next to the Pope, Harrison Ford and Christine Lagarde.

Given his international visibility as leading researcher on Blockchain, he was approached by Harvard to write a teaching case which was published in 2017 and became one of the best-selling teaching cases at Harvard Business School, and Roman was teaching it as guest lecturer at the Executive MBA at Harvard. Also, Dr. Beck is serving as senior editor for top journals such as the *Journal of the AIS*, *Management Information Systems Quarterly Executive*, and *Business and Information Systems Engineering*.

Dr. Beck's work also influenced the development of the Danish national Blockchain industry cluster, with several of his students who either founded or started to work at Blockchain startups and scaleups. He became the chair of the Danish National Standardization Committee on Blockchain and has been one of the founders of the ISO standardization technical committee TC307 on Blockchain and DLT systems standardization in Sydney in 2017. Mr. Beck does not only serve as the head of the national delegation of Denmark, representing Denmark at ISO in questions regarding Blockchain standardization, but also was elected by the member states represented at TC 307 to lead the working group on Blockchain governance as convenor. After three years of work with an expert group of over 250 people from around the world, the first ever technical specification of an ISO standard on Blockchain governance was published beginning of 2022 under his leadership. Since 2017, Professor Beck gave workshops, speeches, and have been on panels debating Blockchain standardization online, as well as in person in cities such as Sydney, Tokyo, Moscow, Dublin, London, Hyderabad and others.

In 2018, Roman Beck was appointed by the Minister for Economic Affairs of the Kingdom of Denmark to represent Denmark at the European Blockchain Partnership at the EU Commission in Brussels, with the aim to develop the European Blockchain Services Infrastructure, EBSI. EBSI in essence aims to create a single digital European market and give digital autonomy and sovereignty back to every European citizen. In the last five years, Roman Beck voluntarily serves in the EBSI technical working group that is in charge of different use cases that altogether will help European citizens to make moving, studying or working in different countries of the European Union easier. Thus, Professor Beck is at a unique position as academic, where he actually can use his research insights and apply them as one of the architects of the single digital European market house, based on EBSI. He was also appointed as convenor, in charge of the expert group that is developing ethical guidelines for Blockchain systems. It is expected that the guidelines will be issued later this year, which will be the first ethical guidelines for Blockchain systems published by a public authority in the world. Once again, Roman has been a trailblazer in driving the academic discourse as well as the practical impact of the academic insights by instantiating it in real world system, regulatory insights, and standardized frameworks.

As internationally leading expert on questions around the emerging Blockchain Economy, Roman Beck has been commissioned several times by the German government, the Swiss government and the Danish government, as well as different units under the EU Commission. For Denmark, Roman was in charge of the largest ever rolled out study on macroeconomic level, analyzing the impact of Blockchain on the Danish industry. The survey was conducted by the national statistical office,

and the study is until today the largest and most comprehensive analysis of Blockchain and its impact on national level in the world. Roman also gave workshops and seminars for several central banks, such as the German Bundesbank, the Danish Central Bank, the Australian Reserve Bank, or the Central Bank of Jordan, just to mention a few. Roman has also dedicated time to advice the OECD in the Blockchain Policy Advisory Board, as well as convenor for Blockchain interoperability at UNECE.

Roman Beck is co-founder of Bloxberg, which is a Blockchain protocol dedicated to providing Blockchain for Science. Under the initiative of the German Max Planck Gesellschaft, Bloxberg has grown to over 50 universities as of today hosting nodes to run a decentralized science network. It is the largest Proof of Authority Blockchain in the world, and Roman serves as Senator in the Board of the Bloxberg association, overseeing the governance of the system.

For his achievements and dissemination of knowledge out of academia into industries and society at large through his work at ISO, the EU, OECD, UNECE and so on, he received the prestigious Impact Award from the Association for Information Systems (AIS) in 2021, which has also been given for example to Alexander Osterwalder for his famous Business Model Canvas.

Professor Beck has also been very active in community services for the Information Systems researcher community, specifically in helping junior faculty and PhD students in pursuing and disseminating their research. His PhD courses and seminars influenced hundreds of PhD students, inspiring generations of young researchers to analytically and critically reflect on the Information Systems problems and opportunities, to derive better answers and build better solutions for social and business needs. The Blockchain Summer School became one of the largest and longest standing PhD education events in the world and has been copied several times since 2016. The Blockchain School is now running for the 6<sup>th</sup> time in August 2023, and then will have seen nearly 400 students who participated from around the world.

In the Information Systems community, Mr. Beck is one of the founding fathers of the area of research related to the value creation in decentralized systems. He is credited with major contributions on ethics, governance, and strategies in decentralized systems. He is closely related to Ledgerlytics (on-ledger data analytics), which incorporates machine learning based pattern recognition and the tracking and tracing of activities in heavily interwoven blockchain databases, as well as the analysis of interoperability among different ledger systems. Mr. Roman Beck has been the Regional Representative of the AIS, in charge for Europe, the Middle East and Africa in the time between 2016 and 2018. In 2018 he gave a keynote speech at the Romanian Information Systems conference in Iasi, where the idea was born to nominate our West University and Timisoara as place for hosting the most prestigious Information Systems conference in Europe, ECIS, in Romania. Due to the relentless work of him as well as the great colleagues from Timisoara, Roman was able to bring ECIS to Timisoara in 2022 as conference chair, while he was also hosting the largest international conference on information systems at his home university in Copenhagen in December 2022, ICIS.



Altogether, his publication output in terms of papers in highly ranked international journals and conference proceedings of which he was an author or co-author is impressive and far beyond average. He has published 166 research articles, book chapters and working papers. His scientometric profile can also be described in the most eloquent terms, with more than 6400 citations, an i10 index of 84 and an h index of 33 according to Google Scholar. For example, two of his blockchain papers have gathered over 600 citations each. Based on this outstanding results, professor Beck is among the top 3% of German professors in business administration, as well as among the top 1% of researchers on Information Systems worldwide, according to the current rankings.

Based on the academic and scientific achievements and the evidence of exceptional professional expertise outlined above, the West University of Timisoara is honoured to award the title of Doctor Honoris Causa Scientiarum to Professor Roman Beck, from IT University of Copenhagen.

I would also like to address to you, distinguished Professor Roman Beck, our warmest congratulations and to wish you a long, successful career as researcher and teacher.

**ACCEPTANCE SPEECH**  
**of Mr. ROMAN BECK**  
on the occasion of the awarding of the honorary title of  
**DOCTOR HONORIS CAUSA SCIENTIARUM**  
of the University of the West in Timișoara

I am truly and sincerely honored to be awarded this honorary title from the West University of Timisoara. Thank you.

For five years I worked with colleagues who became friends to make the European Conference on Information Systems – what we call ECIS – happened in 2022. ECIS is the most prestigious Information Systems conference in Europe. We worked to make the conference a celebration of science while 2022 was overshadowed by Covid and the war Russia brought to Ukraine. I believe Ukraine must win; my thoughts and support are with the people of Ukraine.

ECIS 2022 was a great success, one of the best ECIS conferences in the 40-year history of ECIS. I just came from a conference in Miami where I was told that ECIS was outstanding in academic networking and hospitality. This was possible because of the work of great people at West University Timisoara. ECIS brought scholars in information systems from around the world together, including PhD students. They experienced an incredible conference and left Timisoara with the best impressions. I know this as I was also conference chair for the International Conference on Information Systems (ICIS) in December 2022 in Copenhagen. ICIS 2022 had the highest satisfaction rate of all ICIS conferences, but some still felt that the social events at ECIS 2022 were better. This is another testimonial of the impact Timisoara had on the Information Systems community. ECIS also considered economic impact of new technologies such as Blockchain. That is what I want to focus on.

Blockchain is my area of research and Information Systems has a lot to offer when it comes to explaining the economic phenomena that come with blockchain. That is also why I am looking forward teaching Blockchain Economics at West University Timisoara in the next semester. Information Systems scholars play a crucial role in understanding value creation and capture in digital business models. We are on the verge of the next digital revolution through artificial intelligence. The change is bigger than that: A digital transformation from Business IT alignment toward Digital Business models driven by information technology. We are moving from reactive to proactive value creation. At the center are resources, essentially, capital. This is not new, but digitization will change the nature of capital. I see a transformation within the digital transformation.

I am speaking of "Das non-physical Kapital," referring to Karl Marx' book "Das Kapital" but emphasizing non-physical capital – the ownership of something digital that has value. Bob Iger, former CEO of Disney, recently said that: "We forget in our generation that things don't have to be physical, they can be digital and they have meaning to people. And as long as that meaning can be essentially substantiated in a blockchain, I think you are going to see an explosion of things being created. Traded, collected in NFT's." Disney is the most successful intellectual property company on Earth. Iger's point is worth considering carefully.

We are between worlds. Most capital is still physical, as it was for Adam Smith, Karl Marx, Frederik Winslow Taylor and many others. Economic theory building was based on that. We need economic theory that embraces non-physical capital. Who is better positioned for this than Information Systems scholars? Just because someone is an economic mastermind doesn't mean they theoretically embrace non-physical capital. At the World Government Summit in Dubai in 2019, economic Nobelist Paul Krugman talked about the iphone. He said the iphone has not changed in a decade. He also said that even disruptive technologies cannot change institutions.

I think he was utterly wrong. Language, money, what is considered as valuable – all are changing, driven by innovation and technological change. Change is not new: people moved from gold coins to paper money, the to plastic cards and now to digital currency to which we ascribe value. We bought vinyl records, then CDs, then MP3s, and now stream music on a subscription. We create art in physical as well as in digital form, from music to pictures to movies, and consider them intellectual property. Perhaps we create a Blockchain Economy where information systems scholars theorize about digital business models. Information Systems can explain economic value in new kinds of systems, in new kinds of institutions.

An institution can be a family, a tribe, a religion, a company and so on. All are based on reciprocity and ties. Through common values we believe we support each other. But opinions differ on this. Margret Thatcher said that there is no such thing as society; there are only individuals. In aiming for economic improvement in functioning markets, everyone is better off, and all are better off. What does society offer? Yet markets are not perfect. Huge ecologic problems and imbalances exists as a result of injustice. Individual profit maximization coupled with belief in efficient markets overlooks other values, other capital. Societies where people cooperatively support each other create value that markets might not provide. Embedded ties among members of family, clan, religion, or nation might be enhanced by technologies such as blockchain systems. If coordination standards can enforce rules even among strangers, network-based, distributed, and possibly decentralized value creation and capture economy might be possible. This network economy would provide societal welfare, and only secondarily substantial business or commercial capital. This is different from capital created by a firm. Technologies such as blockchain might enable networks to enforce values and rules in ways similar to norms working through ties in tribes, or

nations. It might allow for club goods or public goods provided by networks, not markets or governments. The longest operating example is Bitcoin, a cryptocurrency that can be used on a global level. One could say the Blockchain economy has emerged to overcome market failure in public goods. It provides non-physical capital via networks as institutions. These are different from existing institutions. That economic shift forces us to theorize on alternative value creation in networks.

The Blockchain Economy would enable us to focus on contracting that diminishes the role of choice. The social sciences look at human decision making from choice and preference. Economic transactions between organizations are based on a rationalization, bartering, negotiating, and contracting. Some consider it a mistake to focus on choice in economic actions, advocating instead contracts as basic building block of economic theorizing. This thinking paves the way for a new economic theorizing. Economic transactions in networks generate collective capital through a calculus of consent that might overcome market failure not just for provisioning private goods, but public goods as well, and that promises to improve societal welfare rather than just business profits of some.

Ladies and gentlemen, I began my speech referring to Covid and the war in Ukraine. It was challenging to host ECIS 2022 here at West University of Timișoara, but we succeeded. We face even bigger challenges, such as global climate change, extinction of species, migration, aging societies, and so on that require new socio-technical solutions, how value can be created collectively, at a global scale, to generate welfare. Technologies such as AI and Blockchain are changing institutions, challenging long standing economic theories. We need to be brave. We need to be self-confident. We must be visionary in our academic work, pushing boundaries. As someone who studies the emerging Blockchain economy, I am encouraged and invite others to stay curious, push boundaries, and not be afraid.

Thank you.

*Roman Beck*

**DISCURS DE ACCEPTARE**  
**al domnului Prof. univ. Dr. ROMAN BECK**  
cu ocazia decernării titlului onorific de  
**DOCTOR HONORIS CAUSA SCIENTIARUM**  
al Universității de Vest din Timișoara

*Onorate Domnule Rector,  
Stimate Domnule Președinte al Senatului UVT,  
Distinși membri ai comunității academice,  
Dragi oaspeți,  
Dragi colegi și prieteni,*

Sunt realmente și sincer onorat să primesc acest titlu onorific din partea Universității de Vest din Timișoara. Vă mulțumesc.

Acum cinci ani am început să lucrez alături de colegii din UVT care mi-au devenit mai apoi prieteni pentru a aduce European Conference of Information Systems (pe scurt ECIS) la Timișoara. ECIS este cea mai prestigioasă conferință europeană în domeniul Sistemelor Informaționale. Am dorit să fie o sărbătoare a științei, într-un an umbrat încă de COVID, dar mai ales de războiul din Ucraina. Am încredere că Ucraina va câștiga, iar gândurile mele și susținerea mea se îndreaptă către poporul ucrainean.

ECIS 2022 a fost un mare succes, una dintre cele mai bune conferințe din istoria de 40 de ani a acestora în Europa. Doar ce am revenit de la o conferință în Miami și vă pot spune că ecurile succesului ECIS 2022 persistă. Acest lucru a fost posibil datorită muncii unor oameni pricepuți din Universitatea de Vest din Timișoara, cu care am avut șansa să lucrez. ECIS a adus laolaltă oameni de știință din toată lumea și foarte mulți tineri doctoranzi, care au trăit o experiență extraordinară aici și au plecat cu cele mai bune impresii. Îmi permit să spun asta căci am fost președinte al acestei conferințe, iar mai apoi, în decembrie 2022, al conferinței internaționale pentru Sisteme Informaționale (ICIS). ICIS 2022 organizată la Copenhaga a primit cele mai bune recenzii dintre toate edițiile; și totuși, unii participanți au ținut să amintească de atmosfera grozavă de la evenimentele sociale ale ECIS 2022! Sunt mărturii ale impactului pe care l-a avut Timișoara în comunitatea Sistemelor Informaționale. La ECIS se discută și impactul economic al noilor tehnologii Blockchain și despre asta aș dori să vă vorbesc în continuare.

Blockchain a devenit domeniul meu de cercetare în Sisteme Informaționale și consider că sunt multe de oferit când vine vorba despre explicarea fenomenelor economice generate de această tehnologie. Cu atât mai mult aștept cu interes și nerăbdare cursul de Blockchain Economics pe

care îl voi preda în această toamnă la UVT. Cercetătorii sistemelor informaționale au un rol semnificativ pentru a explica crearea și conservarea de valoare în modelele economice digitale. Suntem la frontiera următoarei revoluții digitale datorată inteligenței artificiale. Dar schimbarea este mai amplă, vorbim de o transformare digitală care trece de la alinierea tehnologiilor informaționale în afaceri către modele de afaceri digitale determinate de noile tehnologii informaționale. Vorbim de trecerea de la reactiv la proactiv în crearea de valoare. În centru sunt resursele, în speță capitalul, iar natura acestuia se va schimba ca efect al digitalizării. Este o evoluție importantă în cadrul transformării digitale, pe care țin să o remarc.

Aș putea să o numesc "Das non-physical Kapital", gândindu-mă la creația lui Karl Marx "Das Kapital" în contextul capitalului digital, adică a ideii de a deține ceva fără existență fizică care are valoare. Fostul CEO al companiei Disney, Bob Iger, afirma recent: "Generația noastră uită că lucrurile nu trebuie să fie neapărat fizice, ele pot fi digitale și pot însemna ceva pentru oameni. Și atâta vreme cât acea însemnătate este dovedită într-un blockchain, cred că veți asista la o explozie de lucruri create astfel. Tranzacționate, colectate în NFT." Disney este cea mai de succes companie de proprietate intelectuală din lume, așa că opinia lui Iger trebuie atent examinată.

Suntem între două lumi. Pe de o parte, capitalul este majoritar fizic, așa cum îl știm de la Adam Smith, Karl Marx sau Frederik Winslow Taylor. Teoria economică s-a construit pe această stare, dar astăzi este nevoie și de teorie economică ce acceptă și capitalul non-fizic. Și cine ar fi mai bine poziționați pentru această abordare, dacă nu cercetătorii sistemelor informaționale? Fără a supăra spiritele deosebite ale economiștilor, mulți dintre ei nu par convinși de nevoia de a accepta capitalul non-fizic. La World Government Summit în Dubai (2019), laureatul premiului Nobel Paul Krugman a vorbit despre iPhone, spunând că acesta nu s-a schimbat de-a lungul a zece ani. Opinia lui a fost că nici măcar tehnologiile disruptive nu pot schimba instituțiile.

Eu sunt de părere că această afirmație este profund greșită. Limbajul, banii sau lucruri considerate valoroase – toate se schimbă, conduse de inovație și schimbări tehnologice. Și schimbarea este constantă în istorie: oamenii au trecut de la monede de aur la bancnote, apoi la carduri de plastic și acum la monede digitale cărora le atribuim valoare. Am cumpărat vinyl-uri, apoi CD-uri, apoi MP3-uri, iar acum ascultăm muzică digital pe bază de abonament. Creăm artă în formă fizică, dar și digitală, de la muzică, la fotografii sau filme, toate constituind proprietate intelectuală. Probabil că deja creăm o economie Blockchain în care cercetători ai sistemelor informaționale conceptualizează modele de afaceri digitale. Sistemele informaționale pot conceptualiza valoarea economică în noi tipuri de sisteme, în noi tipuri de instituții.

O instituție ar putea fi o familie, un trib, un cult, o firmă etc. Toate acestea se bazează pe reciprocitate și pe legături. Datorită valorilor comune credem că ne sprijinim unii pe alții, dar opiniile sunt diferite în această privință. Margaret Thatcher afirma importanța responsabilității fiecărui individ, atunci când a spus "there is no such thing as society". Pentru scopul de ameliorare economică a piețelor funcționale, când fiecare este bine, atunci toți sunt bine. Ce oferă societatea? Piețele nu sunt încă perfecte. Probleme ecologice colosale și inegalități apar ca rezultat al

nedreptăților. Maximizarea profitului individual cuplată cu încrederea în eficiența piețelor nu țin seama și de alte forme de valoare – alt capital. Societățile în care oamenii se susțin în mod cooperativ creează valoare pe care piețele s-ar putea să nu o ofere. Legăturile strânse create între membrii unei familii, a unui clan sau cult sau chiar ai unei națiuni pot fi îmbunătățite cu ajutorul unor tehnologii precum Blockchain. Dacă standardele de coordonare pot impune reguli chiar și între necunoscuți, atunci economia care creează și stochează valoare distribuită, bazată pe rețele și posibil descentralizată ar fi cu putință. Această economie-rețea ar oferi bunăstare societală și abia în al doilea rând capital economic și comercial, diferit de capitalul creat într-o companie. Tehnologiile precum Blockchain permit rețelelor să impună valori și reguli tot așa cum normele sunt impuse prin intermediul legăturilor sau relațiilor într-un trib sau națiune. Bunurile publice ar fi oferite de rețele, nu de piețe sau guverne. Exemplul cel mai potrivit și longeviv este cel al Bitcoin, criptomoneda care deja se utilizează în toată lumea. Unii ar spune că economia Blockchain apare ca efect al eșecului pieței pentru bunurile publice. Ea oferă capital non-fizic prin intermediul rețelelor și nu al instituțiilor. Această schimbare economică ne obligă să conceptualizăm alternativa creării de valoare prin rețele.

Economia Blockchain aduce în prim plan contractarea, diminuând rolul alegerii. Științele sociale abordează procesul de luare a deciziei prin preferințe și alegere; tranzacțiile economice dintre companii se bazează pe raționalizare, schimburi, negociere și contractare. În opinia unora, este greșită centrarea pe alegere în acțiunile economice, pronunțându-se în favoarea contractelor văzute ca piese de bază ale noii teorii economice. Tranzacțiile economice din rețele creează capital colectiv ca rezultat al calculului de consens, care poate contracara dezechilibrul pieței, nu doar în asigurarea bunurilor private, ci și a celor publice, iar asta promite să crească bunăstarea societală și nu doar profiturile unor firme.

Doamnelor și domnilor, mi-am început discursul referindu-mă la Covid și la războiul din Ucraina. Au reprezentat adevărate provocări pentru organizarea ECIS 2022 aici la Universitatea de Vest din Timișoara, dar iată că am izbutit. Ne confruntăm astăzi cu multe altele, precum încălzirea globală, dispariția speciilor, migrația, îmbătrânirea populației etc., ele necesitând noi soluții tehnico-sociale prin care valoarea să fie creată colectiv, la scară globală, generând bunăstare. Tehnologii precum Inteligența Artificială și Blockchain transformă instituțiile, stârnind controverse asupra teoriilor economice clasice. Trebuie să avem curaj. Trebuie să avem încredere în noi. Trebuie să fim vizionari în cercetarea academică, forțând limitele. Ca cercetător al nou-apărutei economii Blockchain, mă simt încrezător și vă invit să rămâneți curioși, să vă forțați limitele și să nu aveți teamă.

Vă mulțumesc.

*Roman Beck*





## CURRICULUM VITAE

### Prof. Univ. Dr. Roman Beck

#### Professional Experience

- |                     |   |
|---------------------|---|
| 04.2017 until today | European Blockchain Center, Copenhagen, Denmark<br><b>Head of European Blockchain Center</b> <ul style="list-style-type: none"><li>▪ Blockchain Winter School (Copenhagen FinTech Lab and Algorand Foundation, DKK 400,000 (2022))</li><li>▪ Report on Blockchain Performance and Scalability for Massively large Systems for the EU Commission Joint Research Center</li><li>▪ Report on the Macroeconomic Implications of the Emerging Blockchain Industry for Denmark (The Danish Industry Foundation with DKK 1.33 million (2018))</li><li>▪ Project on Contract-based Digital Currency (publicly funded with DKK 150,000)</li></ul>  |
| 04.2017 until today | IT University of Copenhagen, Copenhagen, Denmark<br><b>Lead Researcher</b>  |
| 08.2015 – 12.2016   | IT University of Copenhagen, Copenhagen, Denmark<br><b>Head of Section “Information Management”</b> <ul style="list-style-type: none"><li>▪ Information Management Section, 25 faculty members (Sections were replaced by a new department structure at ITU)</li></ul>  |
| 06.2015 – 12.2018   | IT University of Copenhagen, Copenhagen, Denmark<br><b>Head of Research Group “Technology, Innovation Management &amp; Entrepreneurship” (TIME)</b>   |
| 02.2014 until today | IT University of Copenhagen, Copenhagen, Denmark<br><b>Full Professor in Information Systems</b> <ul style="list-style-type: none"><li>▪ Project leader “Blockchain Academy Network” (BAN) for developing executive level courses on Blockchain Economics, Industriens Fond (2 years: DKK 2,080,000.00), 2019 - 2021</li><li>▪ Project responsible for “Denmark-China Blockchain Business Bridge” twin incubator in Shanghai and Copenhagen, Industriens Fond (2.5 years: DKK 3,501,333.00), 2019 - 2021</li><li>▪ Project partner “Sustainable supply chains for bio-based products - Using blockchain technology to accelerate sustainability, transparency and traceability in biobased value chain“, COWI A/S (2 years: DKK 2,585,250.00)</li></ul> |

- Project applications and coordination of the research project “Leadership and well-being in Enterprise Social Media” and “Repurposing Social Media in Emergency Response Situations”, financed by ITU, as well as “Critical Systems Management and Organizational Mindfulness in the Public Sector”, funded by ISPRAT e.V. (1 year, volume: € 70,000)
- Design and implementation of lectures and exercises in “Enterprise Services” within the Master program and “Institution Economics and Market Engineering” within the Executive Master program
- Organizer of the Nordic Blockchain Summer School at ITU in Copenhagen, supported by Copenhagen Business School and University of Copenhagen and in cooperation with Maersk, Nordea, and SKAT, sponsored by IBM, Reply, Implement and Noerr (volume: € 30,000). 36 participants.
- Supervisor of 3 Ph.D. student at IT University, with 13 Ph.D. students completed (Goethe University) and 3 Ph.D. student at IT University of Copenhagen
- Giving PhD seminars at Universities in Wuerzburg, Marburg and Cologne in Germany as well as Adelaide and Brisbane in Australia in 2014 and Barcelona in 2015, in Amman in 2016, and in Melbourne and Frankfurt in 2018
- Advisor of Bachelor and Master theses

04.2008 – 01.2014

Johann Wolfgang Goethe University, Frankfurt/Main, Germany  
Faculty of Economics and Business Administration  
Institute for Information Systems

**Professor and Chair of Business Administration, especially E-Finance and Services Science, Assistant Professor (W1)**

- Publications: contributions in journals, books and at conferences
- Project applications and coordination of the research project “IT Cooperation in Public-Private-Partnerships”, financed by ISPRAT e.V. (2 years, volume: € 160,000)
- Research projects in the areas of “IT Project Management”, “Enterprise 2.0 and Social Networks”, “Communication Behavior in Companies”, and “Public IT Projects” (6 years, funded by the E-Finance Lab, overall volume € 720,000)
- Design and implementation of lectures and seminars in Services Science within the Master program of Information Systems
- Advisor of Bachelor and Master theses

01.2006 – 03.2008

Johann Wolfgang Goethe University, Frankfurt/Main, Germany  
Faculty of Business Administration  
Institute for Information Systems

**Post-Doc at the Chair of Prof. Dr. Wolfgang Koenig, Chair for Business Administration, especially Information Systems and Information Management**

- Independent design and implementation of courses
- Development of a structured Ph.D. program for the area of Information Systems
- Project application and coordination of the BMBF-financed consortia research project FinGrid in the framework of the D-Grid-Initiative (3 years, overall volume: € 3.1 Million, € 480,000 for the own research group)

11.2000 – 01.2006	<p>Johann Wolfgang Goethe University, Frankfurt/Main, Germany  Faculty of Business Administration  Institute for Information Systems  <b>Research Assistant (100%) for Prof. Dr. Wolfgang Koenig, Chair for Business Administration, especially Information Systems and Information Management</b></p> <ul style="list-style-type: none"> <li>▪ Support of Prof. Koenig's lectures with over 800 participants</li> <li>▪ Project work in the German-NSF-funded research project dealing with diffusion analysis of network goods, with a focus on communication standards between companies</li> <li>▪ Project work for the US-NSF-funded project covering the adoption and diffusion of e-commerce and its impact on globalization – cooperation with research teams from Brazil, China, Denmark, France, Japan, Mexico, Singapore, Taiwan, and the USA</li> </ul>
03.2000 – 09.2001	<p>Johann Wolfgang Goethe University, Frankfurt/Main, Germany  Faculty of Business Administration  Institute for Rural Development Research  <b>Research Assistant (approved additional activity +20%)</b></p> <ul style="list-style-type: none"> <li>▪ Project work within the framework of the creation of a regional development plan SaarLorLux+ for the Grand Duchy of Luxembourg</li> <li>▪ Project work and expert reporting regarding the extension of the solidarity pact II on behalf of the east German states</li> </ul>
10.1998 – 11.2000	<p>Johann Wolfgang Goethe University, Frankfurt/Main, Germany  Faculty of Business Administration  Institute for Information Systems  <b>Student Assistant</b> at the Chair for Business Administration, especially Information Systems and Information Management</p> <ul style="list-style-type: none"> <li>▪ Support of research and teaching in the German-NSF-funded special research project 403 "Networking as a Competitive Factor"</li> </ul>
03.1999 – 06.1999	<p>PBS Network GmbH, Stuttgart, Germany  <b>Working Student</b></p> <ul style="list-style-type: none"> <li>▪ Customer support for companies in the industry of paper products, office supplies, and stationery using EDI</li> </ul>
11.1998 – 02.1999	<p>KPMG, Frankfurt/Main, Germany  <b>Student Assistant</b></p> <ul style="list-style-type: none"> <li>▪ Support software testing during the introduction of the Euro and Y2K-improvements at a client within the banking sector</li> </ul>
08.1998 – 10.1998	<p>Mummert + Partner, Frankfurt/Main, Germany  <b>Student Assistant</b></p> <ul style="list-style-type: none"> <li>▪ Analysis of EDI-applications in the banking sector, as part of a more comprehensive study</li> </ul>
07.1991 – 08.1998	<p>Guthmann Office Supply GmbH, Gelnhausen, Germany  <b>Part-time Employee</b></p>
from 07.1994 on	<p><b>Authorized Signatory (Prokurist)</b></p> <ul style="list-style-type: none"> <li>▪ Rollout an inventory management system and an EDI-system</li> <li>▪ Instructor of the apprentices</li> <li>▪ Representative of the Managing Director (Responsibility: 16 employees, approx. € 2.5 Million annual turnover)</li> </ul>

#### **Additional Professional Activities**

01.2023 until today	European Commission Blockchain Regulatory Sandbox, Brussels, Belgium
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12.2022 until today	<b>Jury Member</b> AIS Senior Scholar College
03.2022 until today	<b>Member of the AIS Senior Scholar College</b> Blockchain Fond, Aarhus, Denmark
10.2021 until today	<b>Advisory Board Member</b> European Blockchain Partnership, Brussels, Belgium
12.2020 until today	<b>Convenor of the Expert Group developing “Ethical Guidelines for Blockchain” for the EU Commission</b> Bundeswirtschaftsministerium, Berlin, Germany
04.2020 until today	<b>Blockchain Expert and Academic Lead for “Fachdialog Blockchain”</b> United Nations Economic Commission for Europe
06.2019 until today	<b>Blockchain Expert and Convenor for Interoperability Governance</b> Copenhagen FinTech Alliance, Copenhagen, Denmark
04.2019 until today	<b>Advisory Board Member on Fintech</b> European Blockchain Partnership, Brussels, Belgium
10.2018 until today	<b>Representative of Denmark at the Technical Steering Group to the EU Commission</b> ISO TC 307 Blockchain & DLT Systems Standardization Group
07.2018 until today	<b>Convenor of TC307 WG5 “Blockchain Governance”</b> Dataport, Altenholz, Germany
09.2022	<b>Advisory Board Member on Digitization</b> Computer Science Colloquium, Hamburg, Germany
08.2022	<b>Presentation on Tokens and Sustainability</b> ICETEB Conference, Amman, Jordan
08.2022	<b>Keynote Speaker and Co-Conference Chair</b> Academy of Management, Seattle, US
07.2022	<b>Panel on Blockchain in Business Research</b> Documenta Kassel, Germany
07.2022	<b>Speaker on “NFTs and Sustainability”</b> NEGZ Stammtisch, Berlin, Germany
07.2022	<b>Speaker on “Blockchain in Public Administration”</b> Standard Australia, Blockchain Event, Sydney, Australia
06.2022	<b>Panelist on Blockchain Governance Standardization</b> Finanstilsynet MiCA-event, Copenhagen, Denmark
01.2022	<b>Keynote Speaker on Blockchain and Regulation</b> 5th International Blockchain School, Copenhagen, Denmark
11.2021	<b>Organizer and Speaker</b> 10th ISO Meeting of TC 307 Blockchain & DLT and WG 5, Virtual Singapore
11.2021	<b>Elected Head of the Danish Delegation of Dansk Standard to ISO.</b> <b>Convenor of TC307 WG5 “Blockchain Governance”</b> Quarterly meeting of the European Blockchain Partnership (EBP) Technical group
11.2021	<b>Representing Denmark Developing the European Blockchain Services Infrastructure</b> Blockchain Academy, Copenhagen
11.2021	<b>Organizer and Lecturer</b> Blockchain Academy, Vejle
12.2019 - 12.2021	<b>Organizer and Lecturer</b> OECD <b>Blockchain Expert Policy Advisory Board</b>

10.2021 until today	European Commission Pre-Market Procurement Assessment <b>4-days assessment of Blockchain solutions for the EU Commission</b>
10.2021	Blockchain Academy <b>4-days Blockchain Course for German Central Bank</b>
10.2021	Blockchain Business Bridge Bootcamp, Copenhagen <b>Co-Organizer and Advisor</b>
10.2021	PhD Seminar on Blockchain in Business Research <b>Week-long online PhD Workshop with 12 PhD Students</b>
08.2021	<b>Blockchain Master Class</b>
06.2021	Studio Production of Videos for 16 hours of Blockchain Teaching Content 9th ISO Meeting of TC 307 Blockchain & DLT and WG 5, Virtual Singapore <b>Elected Head of the Danish Delegation of Dansk Standard to ISO.</b> <b>Convenor of TC307 WG5 “Blockchain Governance”</b>
05.2021	Blockchain Dialogue for the German Ministry of Economy, Berlin <b>Co-Organizer, Expert, and Moderator “Token Economy”</b>
02.2021	Quarterly meeting of the European Blockchain Partnership (EBP) Technical group <b>Representing Denmark Developing the European Blockchain Services Infrastructure</b>
11.2020	Quarterly meeting of the European Blockchain Partnership (EBP) Technical group <b>Representing Denmark Developing the European Blockchain Services Infrastructure</b>
11.2020	8th ISO Meeting of TC 307 Blockchain & DLT and WG 5, Virtual Singapore <b>Elected Head of the Danish Delegation of Dansk Standard to ISO.</b> <b>Convenor of TC307 WG5 “Blockchain Governance”</b>
10.2020	Bentley University PhD workshop on Blockchain Research <b>Lecturer</b>
10.2020	VHB ProDok PhD Seminar on Blockchain in Business Research <b>Week-long PhD Workshop with 16 PhD Students</b>
09.2020	EU Horizon Blockchain Project Evaluation <b>Reviewer</b>
09.2020	Blockchain Academy, Copenhagen <b>Organizer and Lecturer</b>
08.2020	Blockchain Business Bridge Bootcamp, Copenhagen <b>Co-Organizer and Advisor</b>
08.2020	Annual Meeting of the Academy of Management, Vancouver, Canada <b>Speaker at the All-Academy PDW “AI in Management”</b>
07.2020	Program Accreditation for Blockchain Master Course Nicosia, Cyprus <b>Expert and Program Accreditor</b>
06.2020	EU Commission Joining Forces for Blockchain Standardization <b>Keynote Speaker on Blockchain Governance Standardization</b>
06.2020	7th ISO Meeting of TC 307 Blockchain & DLT and WG 5, Virtual Cyprus <b>Elected Head of the Danish Delegation of Dansk Standard to ISO.</b> <b>Convenor of TC307 WG5 “Blockchain Governance”</b>
06.2020	INATBA Academic Advisory Board Meeting <b>Academic Advisor</b>
05.2020	INATBA Roundtable <b>Keynote Speaker and Panelist</b>
03.2020	International Conference Wirtschaftsinformatik, Potsdam, Germany <b>Track Chair for Blockchain</b>

03.2020	Factory Berlin Görlitzer Park, Berlin, Germany <b>Panelist on Avoiding the Emerging Patent Risk in Blockchain Ecosystems</b>
03.2020	Bundeswirtschaftsministerium for preparing the German EBP Presidency, Berlin, Germany <b>Consulting the German Government</b>
02.2020	OECD 4th BEPAB meeting, OECD, Paris <b>BEPAB Member Representing Denmark</b>
02.2020	European Blockchain Observatory Workshop - Blockchain Research Priorities <b>Panelist on Blockchain Research for Europe</b>
02.2020	Quarterly meeting of the European Blockchain Partnership (EBP) Technical group <b>Representing Denmark Developing the European Blockchain Services Infrastructure</b>
12.2019	International Conference on Information Systems, Munich, Germany <b>Track Chair for Blockchain and FinTech</b>
12.2019	30th Australasian Conference on Information Systems, Perth, Australia <b>Speaker on Blockchain Scalability and Performance</b>
11.2019	6th ISO Meeting of TC 307 Blockchain & DLT and WG 5, Hyderabad, India <b>Elected Head of the Danish Delegation of Dansk Standard to ISO. Convenor of TC307 WG5 “Blockchain Governance”</b>
11.2019	International ACM Conference on Management of Digital EcoSystems, Limassol, Cyprus <b>Speaker on Blockchain Scalability and Performance</b>
11.2019	Federal Academy for Security Policies, Berlin, Germany <b>Executive Seminar, Speaker and Panelist on Blockchain and Security</b>
11.2019	Finpulse Börse Stuttgart, Stuttgart, Germany <b>Keynote Speech and Panelist</b>
11.2019	Blockchain Roundtable, Zurich, Switzerland <b>Dinner Speech</b>
10.2019	World Young Scientists Summit, Wenzhou, China <b>Honorary Guest</b>
10.2019	Learning and Innovation in Resilient Systems Conference, Heerlen, The Netherlands <b>Keynote on Blockchain Economics</b>
10.2019	America House, US Consulate, Munich, Germany <b>Keynote Speech on North Atlantic Security Issues and Blockchain</b>
09.2019	The Farmers Club, London, United Kingdom <b>Dinner Speech on Blockchain Market Engineering</b>
08.2019	European Blockchain Partnership Technical Group, Brussels, Belgium <b>Representing Denmark at the EU Commission</b>
08.2019	4th Blockchain Summer School, Copenhagen, Denmark <b>Organizer and Speaker</b>
07.2019	Münchner Kreis Workshop Blockchain in Administration, Munich, Germany <b>Keynote on Blockchain in the Public Sector</b>
07.2019	European Blockchain Partnership Technical Group, Brussels, Belgium <b>Representing Denmark at the EU Commission</b>
06.2019	Carlsberg Blockchain Center, Copenhagen, Denmark <b>Keynote Speech on Blockchain in Denmark</b>
06.2019	Copenhagen FinTech Alliance Advisory Board Meeting, Copenhagen, Denmark



	<b>Advisory Board Meeting</b>
06.2019	Smart Government Convention, Bern, Switzerland
	<b>Speaker and Panelist on Blockchain in Denmark</b>
06.2019	Mannheim Business School, Mannheim, Germany
	<b>Executive Education on Blockchain Economics</b>
05.2019	5th ISO Meeting of TC 307 Blockchain & DLT and WG 5, Dublin, Ireland
	<b>Elected Head of the Danish Delegation of Dansk Standard to ISO.</b>
	<b>Convenor of TC307 WG5 “Blockchain Governance”</b>
05.2019	2 Days PhD Blockchain Seminar, Porto, Portugal
	<b>Blockchain Seminar for PhD Students in Information Systems</b>
05.2019	ICMA Annual General Meeting, Stockholm, Sweden
	<b>Keynote Speaker on Blockchain in Finance</b>
05.2019	Fraunhofer Blockchain in Industry Day, Stuttgart, Germany
	<b>Speaker on Blockchain and Market Engineering</b>
05.2019	Polkadot, Zug, Switzerland
	<b>Blockchain Economic Advisory</b>
05.2019	Mathematical Research for Blockchain Economy, Santorini, Greece
	<b>Keynote on Blockchain Economics</b>
04.2019	Future Blockchain Summit, Dubai, VAE
	<b>Speaker and Panelist</b>
03.2019	OpenIdentity Fraunhofer, Garmisch, Germany
	<b>Keynote on Blockchain Economics</b>
03.2019	VHB Blockchain Working Day, Munich, Germany
	<b>Organizing a Blockchain Workshop for Professors in Business Administration in Germany</b>
02.2019	Max Planck Society kickoff meeting “Bloxberg”, Tegernsee, Germany
	<b>Founding Member of the International Blockchain Network Bloxberg for Science</b>
02.2019	World Government Summit, Dubai, UAE
	<b>Speaker at the WGS 2019 on Blockchain in the Public Sector</b>
02.2019	State Minister for Digitization Bavaria, Germany
	<b>Consultation on Blockchain Strategy for Bavaria</b>
01.2019	Pre-HICSS Workshop on Blockchain, Wailea, Maui, US
	<b>Keynote Speaker on Blockchain in Information Systems Research</b>
12.2018	Pre-ICIS Workshop on Blockchain, San Francisco, US
	<b>Keynote Speaker on Blockchain in Information Systems Research</b>
11.2018	German Parliament, Public Hearing on Digital Agenda, Berlin, Germany
	<b>Expert at the German Parliament on Blockchain</b>
11.2018	Bündnis90/Die Grünen Event on „What can Blockchain?“, Berlin, Germany
	<b>Speaker as Head of European Blockchain Center</b>
11.2018	Smart Country Convention, Berlin, Germany
	<b>Panelist at Smart Country Convention on Digitization in Denmark</b>
11.2018	United Nations (UNICEF) Children’s Day, Copenhagen, Denmark
	<b>Speaker on Blockchain Solution for more Equality in Education Systems</b>
11.2018	Sino-Danish Delegation to Shanghai, China
	<b>Head of Danish Delegation on Blockchain for one week to Shanghai, Hangzhou and Suzhou</b>
10.2018	4th ISO Meeting of TC 307 Blockchain & DLT and WG 5, Moscow, Russia
	<b>Elected Head of the Danish Delegation of Dansk Standard to ISO.</b>
	<b>Convenor of TC307 WG5 “Blockchain Governance”</b>



- 10.2018 VHB ProDok PhD Seminar on Blockchain, Frankfurt, Germany  
**Week-long PhD Workshop with 17 PhD Students in Business Administration**
- 10.2018 Acatech Germany, Berlin, Germany  
**Blockchain Workshop for Members of German Parliament**
- 10.2018 Exchange Summit 2018, Berlin, Germany  
**Keynote on The Future of Cash and Invoices in a Blockchain Economy: Will We Need Invoices at all in 2030?**
- 09.2018 Dansk Industri Blockchain Workshop, Copenhagen, Denmark  
**Two days Blockchain Seminar for Professional Service Industry**
- 09.2019 Kühne Logistics University, Hamburg, Germany  
**Transformation of the Logistics Industry in the Light of Blockchain**
- 09.2018 PhD Seminar at Deakin University. Melbourne, Australia  
**Blockchain Foundations and the Emergence of Blockchain Economy**
- 09.2018 Reserve Bank of Australia, Sydney, Australia  
**Presentation on Blockchain and DLT governance**
- 09.2018 Oracle Denmark, Ballerup, Denmark  
**Keynote on Enterprise Blockchain and Governance**
- 08.2018 PhD Seminar with Students from University of Athens, Georgia, US  
**Blockchain Economics in IS Research**
- 06.2018 Expert Meeting with Japanese Blockchain Companies, Yokohama, Japan  
**Meeting organized by Danish Embassy to attract Japanese Blockchain Companies to Denmark**
- 06.2018 Université du Luxembourg, Blockchain Day, Luxembourg  
**Blockchain Research Workshop with PayPal Europe and Luxembourg National Research Fund**
- 06.2018 Science Brunch Swiss Research Foundation for Electricity and Mobile Communication, Zurich, Switzerland  
**Presentation of Foundations of Blockchain and DLT**
- 05.2018 Volkswagen AG Mobilelife Workshop, Wolfsburg, Germany  
**Keynote during half-day Workshop on Blockchain Economy and Standardization**
- 04.2018 Royal Bank of Canada FinTech Workshop, Toronto, Canada  
**Meeting with Danish Ambassador and Ontario Financial Regulation Authority on ICO and ITO Regulation**
- 04.2018 17th International Conference on INFORMATICS in ECONOMY, Iasi, Romania  
**Keynote on the Emergence of the Blockchain Economy**
- 04.2018 3rd ISO Meeting of TC 307 Blockchain & DLT and SG 6, London, UK  
**Elected Head of the Danish Delegation of Dansk Standard to ISO. Convenor of TC307 SG6 “Blockchain Governance”**
- 04.2018 ECO Verband Blockchain Master Seminar, Hamburg, Germany  
**Full Day Blockchain Master Course with Exercises for IT Executives**
- 04.2018 BAFIT Bitcoin-Symposium, Innsbruck, Austria  
**Presentation and Panelist on “New Markets Engineering with Blockchain”**
- 03.2018 Lero - the Irish Software Research Centre, Dublin, Ireland  
**Presentation “Delivering Public Services Using Blockchain”**
- 03.2018 Innovationsforum Energie 2018, Zurich, Switzerland  
**Presentation “Digitization and Blockchain in Denmark”**

11.2017	Kazakhstan Science Foundation Blockchain Meeting, Almaty, Kazakhstan <b>Presenter and Panelist on Blockchain and Cryptocurrency Regulation and Standardization</b>
11.2017	Münchner Kreis Blockchain Conference, Munich, Germany <b>Keynote Speaker: The Transformational Power of Blockchain: Key Technologies, Developments and Limitations</b>
11.2017	2 <sup>nd</sup> ISO Meeting of TC 307 Blockchain & DLT, Tokyo, Japan <b>Elected Head of the Danish Delegation of Dansk Standard to ISO. Elected Convenor of TC307 SG6 “Blockchain Governance for ISO</b>
10.2017	European Intellectual Property Office, Alicante, Spain <b>Blockchain and Intellectual Property two-day Expert Workshop</b>
10.2017	Keynote Speech "Automate 2017", Fujitsu, Munich, Germany <b>Topic: Blockchain and the Future of Digitization</b>
10.2017	Blockchain Workshop for Danish Municipalities, Copenhagen, Denmark <b>Workshop with KOMBIT for Danish Municipalities on Blockchain as Welfare Technology</b>
08.2017	2 <sup>nd</sup> Blockchain Summer School, Copenhagen, Denmark <b>Co-organizer of a four days International PhD Summer School on Blockchain, together with Maersk, Nordea, and Nets</b>
07.2017	Blockchain, Market Liquidity and Economic Growth, MIT, Boston, US <b>Presentation about Blockchain and Economic Implications for Central Banks</b>
04.2017	ISO Inaugural Meeting of TC 307 Blockchain & DLT, Sydney, Australia <b>Elected Head of the Danish Delegation of Dansk Standard to ISO</b>
03.2017	Opportunities and Risks of Blockchain Technologies, Dagstuhl Germany <b>Co-organizer of the 1<sup>st</sup> Dagstuhl research seminar on Blockchain in Computer Science, Information System, and Law</b>
03.2017	Executive Blockchain Seminar for Finance Industry, Amman, Jordan <b>Two days executive course for the Finance Industry of Jordan</b>
02.2017	Blockchain PhD Seminar, University of Würzburg, Germany <b>Two days Blockchain PhD workshop with Ethereum Exercises</b>
11.2016	Blockchain Lecture at Executive MBA class at Harvard, Boston, US <b>Half-day lecture on Blockchain</b>
08.2016	1 <sup>st</sup> Blockchain Summer School, Copenhagen, Denmark <b>Organizer of a four days International PhD Summer School on Blockchain, together with Maersk, Nordea, and SKAT</b>
07.2015 – 11.2015	European Finance Week, Frankfurt, Germany <b>European FinTech Startup Award 2015, Jury Member</b> <b>Host of the Blockchain Panel</b>
08.2015	<b>Barcelona Doctoral Consortium on Digital Innovation</b> Coaching PhD students during a three days Doctoral Consortium
02.2015 until today	Finans.dk, Copenhagen, Denmark <b>Own Editorial on IT &amp; Finance-related Topics in Online and Print</b>
11.2014	networker, projektberatung GmbH, Kronberg, Germany <b>Panelist: Future of ISD and Business Process Outsourcing</b>
09.2014	Partnerschaften Deutschland AG Summer School, Potsdam, Germany <b>Chairing a Panel Discussion about the Future of IT Public Private Partnerships</b>
07.2013	McKinsey Technology Lab 2013, Bologna, Italy <b>Scientific Expert for Big Data in Banking</b>

08.2009 – 07.2012	Baden-Württemberg Cooperative State University, Mannheim Dual study program "Information Systems" for the apprentices of the Johann Wolfgang Goethe-University, <b>Instructor and Trainer</b>
01.2011 – 03.2011	Xenube Finance Services GmbH, Frankfurt/Main, New York <b>Co-Founder</b>
08.2009 – 11.2009	Interxion GmbH, Frankfurt/Main Implementation of a study dealing with "Added Value in Digital Networks", <b>Principal Investigator</b>
01.2007 – 05.2007	Economic Development Agency Frankfurt GmbH, Frankfurt/Main Survey "Finance Cluster Frankfurt", <b>Principal Investigator</b>
08.2002 – 07.2005	Johann Wolfgang Goethe University, Frankfurt/Main Chamber of Commerce and Industry profession "IT Specialist in the Area of Systems Integration", <b>Instructor and Trainer</b>
<b>Education</b>	
04.2012 – 01.2013	Center for Science and Research Management, Speyer, Germany <b>Participating in the Junior-Professional-Management-Program</b> (120 hours course)
08.2010	Johann Wolfgang Goethe University, Frankfurt/Main, Germany <b>Leading as a Researcher – Successful Positioning as a Supervisor</b> (8 hours course)
07.2008	Johann Wolfgang Goethe-University, Frankfurt/Main, Germany <b>Basic Certificate on Higher Education Didactics</b> (80 hours course)
11.2000 – 01.2006	Johann Wolfgang Goethe-University, Frankfurt/Main, Germany Ph.D. with Prof. Dr. Wolfgang Koenig, Chair for Business Administration, especially Information Systems and Information Management <b>Degree: Dr. rer. pol.</b>  Doctoral thesis: <i>The Network(ed) Economy: The Nature, Adoption, and Diffusion of Communication Standards</i> Final grade: 0,0 (summa cum laude)
10.1994 – 11.2000	Johann Wolfgang Goethe-University, Frankfurt/Main, Germany Studies in Business Administration with a focus on Information Systems and Economics <b>Degree: Diplom-Volkswirt</b> Final thesis: <i>Electronic Commerce Standards in the German Industry of Paper Products, Office Supplies, and Stationery – An Empirical Study</i> Final grade: 2.1 (with distinction)
09.1998	Chamber of Commerce and Industry, Hanau, Germany <b>Instructor</b> certification
01.1998	Chamber of Commerce and Industry, Hanau, Germany <b>Certified Merchant</b> (Kaufmann im Einzelhandel) (IHK)
06.1994	Grimmelshausen High School, Gelnhausen, Germany Graduation: <b>University Entrance Certificate (Abitur)</b> Final grade: 2.1 (on a scale of 1-5 with 1 excellent)
<b>Language Skills</b>	
German:	Native speaker
English:	Fluent speaking and writing
French:	Basic
Danish:	Basic

## International Experience

12.2022	International Conference on Information Systems, Copenhagen, Denmark <b>Co-Conference Chair</b>
06.2022	European Conference on Information Systems, Timisoara, Romania <b>Co-Conference Chair</b>
01.2019	Doctoral Consortium, Weilea, Maui, USA <b>Mentor at the HICSS 52 conference</b>
01.2018	Doctoral Consortium, Kona, Hawaii, USA <b>Mentor at the HICSS 51 conference</b>
12.2017	Mid-Career Workshop, Information Systems Researcher, Seoul, Korea <b>Co-organizer of the pre-ICIS AIS mid-career workshop</b>
01.2017	Doctoral Consortium, Kona, Hawaii, USA <b>Mentor at the HICSS 50 conference</b>
12.2016	Mid-Career Workshop, Information Systems Researcher, Dublin, Ireland <b>Co-organizer of the pre-ICIS AIS mid-career workshop</b>
08.2016	Pacific Asia Conference on Information Systems, Chiayi, Taiwan <b>International Advisory Board Member</b>
12.2015	International Conference on Information Systems, Fort Worth, TX, USA <b>Senior Scholar Panel, Panelist</b>
07.2015	Doctoral Consortium on Digital Innovation, Barcelona, Spain <b>PhD Advisory Board Member</b>
10.2012	Annual Meeting of the International Monetary Fund and the World Bank Group, Tokyo, Japan <b>Participant and representing the House of Finance</b>
01.2012 – 03.2012	Australian National University, Canberra, Australia <b>Visiting Fellow</b>
10.2011	Annual Meeting of the International Monetary Fund and the World Bank Group, Washington, USA <b>Participant and representing the House of Finance</b>
04.2010 – 05.2010	New York University, New York City, USA <b>Visiting Scholar</b>
12.2007 – 03.2008	Georgia State University, Atlanta, USA <b>Visiting Scholar</b>
07.2004 – 09.2004	University of Michigan, Ann Arbor, School of Information, USA <b>Visiting Researcher</b>
08.2003 – 11.2003	University of California, Irvine, Center for Research in Information Technology and Organization, USA <b>Visiting Researcher</b>
Since 2001	Regular participation at international academic conferences
Since 2002	Regular meetings with international project partners

## Memberships

Since 06.2009	German Academic Association for Business Research (VHB)
Since 06.2008	German Association of University Professors and Lecturers
Since 12.2001	Association for Information Systems (AIS)

## Publication Record

## Journals

### 2022

1. Kranz, Johann, Zeiss, Roman, Beck, Roman, Gholami, Roya, Sarker, Saonee, Watson, Richard T. Whitley, Edgar A. **Practicing What We Preach? Reflections on More Sustainable and Responsible IS Research and Teaching Practices**, in: Communications of the Association for Information Systems (CAIS), p. 123-145
2. Beck, Roman, Dibbern, Jens. & Wiener, Martin **A Multi-Perspective Framework for Research on (Sustainable) Autonomous Systems**, in: Business & Information Systems Engineering. 64, p. 265-273
3. Beck, Roman, Dibbern, Jens. & Wiener, Martin **Interview with Peter Mertens and Wolfgang König: “From Reasonable Automation to (Sustainable) Autonomous Systems”**, in: Business & Information Systems Engineering. 64, p. 311-315
4. Jørgensen, Kim P., Beck, Roman **Universal Wallets**, in: Business & Information Systems Engineering. 64, 1, p. 115-125

### 2021

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**The Public Hand and IT Mega-Projects: Lessons from the German TollCollect Case**, in: Proceedings of the Special Interest Group on IT Project Management pre-ICIS Workshop, Best Paper Award; Milwaukee WI, USA

## 2005

80. *Beck, Roman; Wigand, Rolf T.; König, Wolfgang*  
**The Efficient Usage of E-Commerce: The Backbone of Globalization**, in: CoDE 2005 - Systems Exploitations: from globalization to localization; Shanghai, China
81. *Beck, Roman; Franke, Jochen; König, Wolfgang; Wigand, Rolf T.*  
**Globalization and E-Business Application Adoption and Usage: Comparing Germany in a Global Context**, in: Proceedings of Americas Conference on Information Systems (AMCIS 2005); Omaha, Nebraska, USA

## 2003

82. *Beck, Roman; Weitzel, Tim; Beimborn, Daniel; König, Wolfgang*  
**The Network Effect Helix**, in: Proceedings of the MISQ Academic Workshop on ICT standardization, ICIS 2003; Seattle WA, USA
83. *Viborg Andersen, Kim; Beck, Roman; Wigand, Rolf T.; Brousseau, Eric; Bjørn-Andersen, Niels; Grunje, Eske*

**Agile Government and Global Market Driven E-commerce? The Cases of Denmark, France, and Germany**, in: Proceedings of the International Conference on Information Systems (ICIS'2003); Seattle WA, USA

84. *Beck, Roman; König, Wolfgang; Wigand, Rolf T.*  
**The Efficient Usage of E-Commerce Applications by SMEs in the Retail/Wholesale Industry: A Four-Nation Comparison**, in: Proceedings of Americas Conference on Information Systems (AMCIS 2003); Tampa, Florida, USA
85. *Beck, Roman; König, Wolfgang; Wigand, Rolf T.*  
**Creating Value in E-Banking: Efficient Usage of E-Commerce Applications and Technologies**, in: Proceedings of the 7th Pacific-Asia Conference on Information Systems (PACIS); Adelaide, Australia
86. *Beck, Roman; Wigand, Rolf T.; König, Wolfgang*  
**Beyond the Electronic Commerce Diffusion Race: Efficiency Prevails**, in: Proceedings of the 11th European Conference on Information Systems (ECIS); Naples, Italy
87. *Beck, Roman; Beimborn, Daniel; Weitzel, Tim*  
**The German Mobile Standards Battle**, in: Proceedings of the 36th Hawaii International Conference on System Sciences (HICSS-36); Big Island, Hawaii, USA

## 2002

88. *Beck, Roman; Weitzel, Tim; König, Wolfgang*  
**The Myth of WebEDI**, in: IFIP I3E 2002 conference; Lisbon
89. *Beck, Roman; Weitzel, Tim; König, Wolfgang*  
**Promises and pitfalls of SME integration**, in: 15th Bled Electronic Commerce Conference, e-Reality: Constructing the e-Economy; Bled, Slovenia

## Teaching Cases

1. *Applegate, Lynda M.; Beck, Roman; Müller-Bloch, Christoph*  
**Deutsche Bank: Pursuing Blockchain Opportunities (A)**, in: Harvard Business School Supplement 817-100, April 2017
2. *Applegate, Lynda M.; Beck, Roman; Müller-Bloch, Christoph*  
**Deutsche Bank: Pursuing Blockchain Opportunities (B)**, in: Harvard Business School Supplement 817-101, April 2017

## Monographies and Chapters in a Book

## 2019

1. *Beck, Roman; Kubach, Michael; Jørgensen, Ki. P.; Sellung, Rachelle; Schunck, Carsten; Gentile, Lorenzo*  
**STUDY ON THE ECONOMIC IMPACT OF BLOCKCHAIN ON THE DANISH INDUSTRY AND LABOR MARKET**, IT-Universitetet i København. 225 p. (IT University Technical Report Series; No. 206, Vol. 2019)
2. *Treiblmaier, Horst; Beck, Roman*  
**Business Transformation through Blockchain Volume I** Palgrave Macmillan, Cham.
3. *Treiblmaier, Horst; Beck, Roman*  
**Business Transformation through Blockchain Volume II** Palgrave Macmillan, Cham.

## 2017

4. *Beck, Roman*  
**Technology-driven Changes in the Economy**, in: In Galliers, R.D. & Stein, M.-K. (eds.). The Routledge Companion to Management Information Systems. Abingdon: Routledge.

## 2011

5. *König, Wolfgang; Jochum, Clemens; Beck, Roman; Weber, Sven*  
**Dealing with Communication and Information Overload: An Example from the Financial Services Industry**, in: Books on Demand; Norderstedt
6. *Vykoukal, Jens; Pahlke, Immanuel; Beck, Roman*  
**Impact of Grid Assimilation on Operational Agility in Turbulent Environments: An Empirical Investigation in the Financial Services Industry**, in: Heinzl, A., Buxmann, P., Wendt, O., Weitzel, T. (Eds.) Theory-Guided Modeling and Empiricism in Information System Research; Physica-Verlag, Heidelberg

## 2009

7. *Hinz, Oliver; Schwind, Michael; Beck, Roman*  
**Robustheit und Kostenersparnis für IT-basierte Finanzapplikationen in Zeiten der Krise**, in: Grid Computing in der Finanzindustrie, Chapter in book, Books on Demand, Norderstedt
8. *Vykoukal, Jens; Beck, Roman; Wolf, Martin (2009)*  
**Grid-Architektur für Risikomanagement: Eine Fallstudie bei einem Finanzinstitut**, in: Grid Computing in der Finanzindustrie, Chapter in book, Books on Demand, Norderstedt
9. *Hinz, Oliver; Beck, Roman; Skiera, Bernd; König, Wolfgang*  
**Grid Computing in der Finanzindustrie**, Books on Demand; Norderstedt

## 2007

10. *König, Wolfgang; Schamp, Eike W.; Beck, Roman; Handke, Michael; Vykoukal, Jens; Späthe, Stephan*  
**Finanzcluster Frankfurt**, Books on Demand, Norderstedt
11. *Beck, Roman; Wigand, Rolf T.; König, Wolfgang*  
**E-Business Integration by SMEs in the Manufacturing Sector: A Data Envelopment Analysis Approach**, in: Strategic Use of Information Technology for Global Organizations, pp. 201-217, IGI Publishing; Hershey, PA
12. *König, Wolfgang; Beck, Roman*  
**Kommunikationsstandards und die Ökonomie der Netzentwicklung**, in: Wirtschaftsinformatik im Fokus der modernen Wissensökonomie, pp. 41-65, TUDpress; Dresden

## 2006

13. *Beck, Roman*  
**The Network(ed) Economy - The Nature, Adoption, and Diffusion of Communication Standards**, Deutscher Universitätsverlag; Wiesbaden, Germany
14. *König, Wolfgang; Wigand, Rolf T.; Beck, Roman*  
**Germany: A "fast follower" of e-commerce technologies and practices**, in: Global E-Commerce: Impacts of National Environment and Policy; Kenneth Kraemer, Jason Dedrick and Nigel Melville (eds.), Cambridge University Press; Cambridge, UK

## 2003

15. *König, Wolfgang; Beck, Roman*  
**International vergleichende Untersuchung des Einsatzes von E-Business-Basistechnologien in mittelständischen Unternehmen**, in: Herausforderungen der Wirtschaftsinformatik in der Informationsgesellschaft, Ehrenberg, Dieter (Hrsg.), Edition am Gutenbergplatz; Leipzig
16. *Beck, Roman*  
**Verbreitung von E-Business und Informationstechnologien im deutschen Mittelstand**, in: eBusiness-Jahrbuch der deutschen Wirtschaft, Wegweiser Verlag; Berlin

## Working Papers

1. *Agerskov, Signe; Laukyte, Migne; Beck, Roman*  
**Ethical issues of community-driven blockchain systems**, forthcoming in: Proceedings of the IEEE ETHICS-2023 Conference, West Lafayette, Illinois, USA
2. *Madsen, Signe A.; Pedersen, Asger B.; Beck, Roman*  
**Ethical Guidelines for Blockchain Systems**, under review at European Conference of Information Systems 2023
3. *Schwiderowski, Jan; Beck, Roman*  
**Mindful Design and Operation for High Reliability Autonomous Systems**, under review at European Conference of Information Systems 2023
4. *Schwiderowski, Jan; Beck, Roman; Wolf, Martin*  
**Mindful IT Innovation Assimilation: Organizational Mindfulness as a Dynamic Capability**, under review at European Conference of Information Systems 2023
5. *Wunderlich, Nico; Beck, Roman; Jørgensen, Kim P.; Jaine, Geetika*  
**Innovating with Blockchain Business Models**, under review at European Journal of Information Systems
6. *Pedersen, Asger B.; Madsen, Signe A.; Beck, Roman*  
**Blockchain Ethics**, under review at Business and Information Systems Engineering (BISE), first revision round
7. *Gregory, Robert W.; Beck, Roman; Henfridsson, Ola; Yaraghi, Niam*  
**Can Reciprocal Exchange in Networks be Algorithmically Enforced by Smart Contracts?**, under review at Academy of Management Review
8. *Schletz, Marco; Constant, Axel; Hsu, Angel; Schillebeeckx, Simon; Beck, Roman; Wainstein, Martin*  
**Blockchain and Regenerative Finance: Charting a Path Toward Regeneration**, under review at Frontiers
9. *Mueller-Bloch, Christoph; Beck, Roman; Risius, Marten*  
**Smart Contracts**, under review at Business and Information Systems Engineering (BISE), first revision round
10. *Beck, Roman; King, John L.*  
**Coopetition in Blockchain Alliances**, under development, to be submitted to Journal of the Association of Information Systems
11. *Schwiderowski, Jan; Pedersen, Asger B.; Beck, Roman*  
**Token and Token Systems Taxonomy**, under review at Information Systems Frontiers, first review round
12. *Schwiderowski, Jan; Pedersen, Asger B.; Kasper Jensen, Jonas; Beck, Roman*  
**Value Creation and Capturing in Decentralized Finance Markets: Non-Fungible Tokens as a Class of Digital Assets**, under review at Electronic Markets
13. *Scudder-Davis, Barry; Duane, Ja-Nae; Marabelli, Marco; Beck, Roman*  
**The Politics of Blockchain – Power Dynamics in Decentralized Systems**, under development, to be submitted to Management of Information Systems Quarterly
14. *Mueller-Bloch, Christoph; Seebacher, Stephan; Beck, Roman*  
**Blockchain Systems Governance: A Polycentric Information Commons Perspective**, under development, to be submitted to Information Systems Journal

Community Services, Academic Self-Administration, Editorships  
IT University of Copenhagen

<u>Doctoral Consortium</u>	1 <sup>st</sup> HICSS Doctoral Consortium 2017 2 <sup>nd</sup> HICSS Doctoral Consortium 2018 3 <sup>rd</sup> HICSS Doctoral Consortium 2019
<u>Elected Council Member AIS</u>	Regional AIS Representative for Europe, Middle East and Africa (2016-2018)
<u>Dagstuhl Seminar Organizer</u>	Co-organizing the Dagstuhl Seminar 17132 on “Opportunities and Risks of Blockchain Technologies”
<u>External PhD Evaluator</u>	Member of PhD assessment committees for several Universities in Denmark and United Kingdom
<u>Academic Self-Administration</u>	Section Head of the Information Management Section Research Head of TIME Research Group Chairing faculty hiring committees for full professor positions Member Ph.D. candidates’ evaluation committees since 2014

## **Johann Wolfgang Goethe University**

<u>Academic Self-Administration</u>	Jury member of the „Deutschlandstipendien“ 2011 board
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## **Journals and Conferences**

<u>Department Editor</u>	Business Information Systems Engineering (BISE)
<u>Senior Editor</u>	Management Information Systems Quarterly Executive (MISQE)
<u>Senior Editor</u>	Journal of Association of Information Systems (JAIS)
<u>Guest Editor</u>	Transactions of Management Information Systems (TMIS) on FinTech
<u>Guest Editor</u>	Business Information Systems Engineering (BISE) on Blockchain
<u>Guest Editor</u>	Journal of Association of Information Systems (JAIS) on Blockchain
<u>Guest Editor</u>	Electronic Markets (EM) on FinTech
<u>Senior Editor</u>	Data Base for Advances in Information Systems (DataBase)
<u>Senior Editor</u>	Journal of Information Technology Theory and Application (JITTA) (2011-2015)
<u>Guest Associate Editor</u>	Management Information Systems Quarterly (MISQ)
<u>Editorial Board</u>	Journal of Business Economics (JBE)
<u>Conference Chair</u>	International Conference on Information Systems (ICIS 2022)
	European Conference on Information Systems (ECIS 2022)
<u>Track Chair</u>	International Conference on Information Systems (ICIS 2019)
	International Conference on Information Systems (ICIS 2015)
	International Conference on Information Systems (ICIS 2014)
	European Conference on Information Systems (ECIS 2018)
	European Conference on Information Systems (ECIS 2017)
<u>Program Committee</u>	International Advisory Board Member
	Pacific Asia Conference on Information Systems (PACIS 2016)
<u>Mini-Track Chair</u>	Hawaiian International Conference on System Sciences (HICSS-51) 2018
	Hawaiian International Conference on System Sciences (HICSS-50) 2017
<u>Workshop Chair</u>	pre-ICIS 2013 SIG Service Science Workshop organizer
<u>Country Ambassador</u>	European Conference on Information Systems (ECIS 2014)
<u>Reviewer (selection)</u>	Communications of the Association for Information Systems (CAIS)
	European Journal of Information Systems (EJIS)
	Electronic Markets (EM)
	Information Systems Journal (ISJ)
	Journal of the Association for Information Systems (JAIS)
	Journal of Information Technology (JIT)

	Management Information Systems Quarterly (MISQ)
	Business Information Systems Engineering (BISE)
	Journal of Business Economics (JBE)
<u>Associate Editor (selection)</u>	International Conference on Information Systems (ICIS 2008, 2010, 2011, 2012, 2013, 2016, 2017), Associate Editor
	Wirtschaftsinformatik 2011, 2013, 2015, 2017, Associate Editor
	European Conference on Information Systems (ECIS 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016), Associate Editor

## Courses

### Courses as Full Professor

Spring 2023	Service Economics (master) Lecture & Exercise
Autumn 2022	Blockchain Economics (master) Lecture, Exercise and Practice
	PhD course: Blockchain in Business Research
Spring 2022	Service Economics (master) Lecture & Exercise
	PhD course: Blockchain Winter School
Autumn 2021	Blockchain Economics (master) Lecture, Exercise and Practice
	PhD course: Blockchain in Business Research
	Executive course: Blockchain and Digital Assets for a Central Bank
Autumn 2020	Blockchain Economics (master) Lecture, Exercise and Practice
	PhD course: VHB Blockchain in Business Research
Spring 2020	Service Economics (master) Lecture & Exercise
Autumn 2019	Blockchain Strategy and Leadership (executive master)
	Lecture & Exercise
	Blockchain Economics (master) Lecture, Exercise and Practice
	PhD course: Blockchain Summer School
Spring 2019	Service Economics (master) Lecture & Exercise
Autumn 2018	Blockchain Strategy and Leadership (executive master)
	Lecture & Exercise
	PhD course: Blockchain Summer School
Spring 2018	Digital Business Models (master) Lecture & Exercise
Autumn 2017	PhD course: Blockchain Summer School
Autumn 2016	Enterprise Services (master) Lecture & Exercise
	PhD course: Blockchain Summer School
Spring 2016	Institution Economics and Market Engineering, (executive master) Lecture
	Enterprise Services (master) Lecture & Exercise
	PhD course: Epistemological Foundations and Research in IS
Autumn 2015	Enterprise Services (master) Lecture & Exercise
Spring 2015	Institution Economics and Market Engineering, (executive master) Lecture
Autumn 2014	Enterprise Services (master) Lecture & Exercise
	PhD course: TransIT PhD Connect Symposium
Spring 2014	IT Organization of the Future, (executive master) Lecture & Exercise

### Courses as Chair of E-Finance and Services Science

WS 2014	Luftverkehr im Wandel (BEC1:W15) Seminar
SS 2014	PhD course: Complex Systems Thinking and Systems of Systems
	Management in IS Seminar
WS 2013	Luftverkehr im Wandel (BEC1:W14) Seminar
SS 2013	Philosophy of Science and Research Methods in Information Systems
	(PHIL:2013) Colloquium



	PhD course: Complex Systems Thinking and Systems of Systems Management in IS Seminar Services Science – The Role of IT in the Service Economy (BECK:S13) Seminar
WS 2012	Luftverkehr im Wandel (BEC1:W13) Seminar Services Science (SESI) Lecture
SS 2012	Philosophy of Science and Research Methods in Information Systems (PHIL:2012) Colloquium PhD course: Design Science in IT-Seminar Services Science – The Role of IT in the Service Economy (BECK:S12) Seminar Chancen und Risiken Sozialer Medien für die Wertschöpfungskette von Unternehmen Seminar
SS 2011	Philosophy of Science and Research Methods in Information Systems (PHIL:2011) Colloquium Services Science – The Role of IT in the Service Economy (BECK:S11) Seminar Nachhaltigkeitsmanagement als Kernkompetenz moderner Unternehmen Seminar
WS 2010	Epistemological Foundations and Research in IS (EPIS:2010) Colloquium Luftverkehr im Wandel (LUFT:10MA, LUFT:10DI) Seminar Services Science (SERV:12) Lecture
SS 2010	Philosophy of Science and Research Methods in Information Systems (PHIL:2010) Colloquium Data Collection and Data Analysis in Information Systems Research Seminar Services Science – The Role of IT in the Service Economy [BEK1:S10 (Master), BE1S:10WI (Diplom)] Seminar Ubiquitäre Kommunikationstechnologien in der Wissensgesellschaft [BEK2:S10 (Master), BE2S:10WI (Diplom)] Seminar
WS 2009	Epistemological Foundations and Research in IS (EPIS) Colloquium Luftverkehr im Wandel (BECK:09WI) Seminar Services Science (SERV:09WI) Lecture
SS 2009	Philosophy of Science and Research Methods in Information Systems (PHIL) Colloquium Design Science Research Paradigm in Information Systems Seminar Services Science – The Role of IT in the Service Economy (BECS:09WI) Seminar Innovative elektronische Marktplätze für Entwicklungs- und Schwellenländer (BEK1:S09) Seminar
WS 2008	Epistemological Foundations and Research in IS (EPIS) Colloquium Luftverkehr im Wandel (BECK:08WI) Seminar Services Science (SERV:08WI) Lecture
SS 2008	Philosophy of Science and Research Methods in Information Systems (PHIL) Colloquium Services Science – The Role of IT in the Service Economy (KOEW:08WI) Seminar
WS 2007	Luftverkehrssysteme im Wandel (BECK:07WI) Seminar
SS 2007	Philosophy of Science and Research Methods in Information Systems Colloquium
WS 2006	Luftverkehrssysteme im Wandel Seminar



## The changing nature of IT project management Seminar

### Courses supported as Research Assistant of Prof. Dr. Wolfgang König

SS 2005	Die Rolle des CIO im strategischen Informationsmanagement Seminar High-Level Requirements Analysis for Complex Information Systems Development Lecture
SS 2003	IT-Standards in der Informationsgesellschaft Seminar
SS 2002	Wirtschaftsinformatik I Lecture – ca. 150 students
WS 2001/2	ACE – Agent-Based Computational Economics Seminar Grundzüge der Wirtschaftsinformatik Lecture – ca. 800 students

### Research and Teaching Awards

#### Research Awards

Dec. 2021	AIS Impact Award, International Conference on Information Systems (ICIS 2021), Austin, Texas
Jun. 2016	Best Paper Award Nomination European Conference on Information Systems (ECIS 2016), Istanbul, Turkey
Nov. 2014	Best German Information Systems Paper of the Year 2014 and Nomination for the best Business Administration paper of the Year, German Academic Association for Business Research, for MISQ paper
Jan. 2014	Best Paper Award Nomination Hawaii International Conference on System Sciences (HICSS-47), Kona, Big Island, USA
Nov. 2012	Best German Information Systems Paper of the Year 2012 and Nomination for the best Business Administration paper of the Year, German Academic Association for Business Research, for MISQ paper
Jan. 2012	Best Paper Award Nomination Hawaii International Conference on System Sciences (HICSS-45), Wailea, Maui, USA
Dec. 2011	Best Reviewer Award, SIGADIT, DIGIT Workshop, Shanghai, China
Dec. 2011	Junior Professional Research Management Award of the President of Johann Wolfgang Goethe University, Frankfurt am Main
Mar. 2011	Winner of the „Deutschland, Land der Ideen“ Award for the Research Project „Financial Service Cloud“ 2011
June 2010	Herbert A. Simon Best Paper Award, DESRIST 2010: 5th International Conference on Design Science Research in Information Systems and Technology, in St. Gallen, Switzerland
Jan. 2010	Best Paper Award Nomination Hawaii International Conference on System Sciences (HICSS-43), Koloa, Kauai, USA
Dec. 2009	Best Paper Award, SIGITProjMgmt, 4th International Workshop on IT Project Management, Phoenix, USA
Jan. 2009	Best Paper Award, Hawaii International Conference on System Sciences (HICSS-42), Waikoloa, USA
Dec. 2008	Best Reviewer Award, SIGITProjMgmt, 3rd International Workshop on IT Project Management, Paris, France
Dec. 2006	Best Paper Award, SIGITProjMgmt, 1st International Workshop on IT Project Management, Milwaukee, USA
Dec. 2006	Best Paper Award, SIGITProjMgmt, 1st International Workshop on IT Project Management, Milwaukee, USA

#### Teaching Awards

SS & WS 2013	50% teaching load deduction due to outstanding engagement in PhD education
SS 2011	Runner-up of teaching evaluations for seminars in the master program (out of 14 seminars) with „Services Science – The Role of IT in the Service Economy“
WS 2010/11	Winner of the teaching evaluation of seminars in the master program (out of 17 seminars) with “Changes in Air Traffic Services”
WS 2010/11	Runner-up of teaching evaluations for lectures in the master program (out of 21 lectures) with “Services Science”