

Numar registratura:*INT 2025.09.09-005932*.....

Paulescu Marius-Horia

Dosar candidatura Consiliul Facultatii de Fizica si Matematica

PERSONAL INFORMATION

Marius Horia Paulescu



 Faculty of Physics
 West University of Timisoara, Romania

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Sex Male | Date of birth 17/05/1967 | Nationality Romanian

WORK
EXPERIENCE

- | | |
|----------------|---|
| 2017 – Present | Professor
Faculty of Physics, West University of Timisoara
<ul style="list-style-type: none"> ▪ Numerical methods in physics, Modeling solar radiation |
| 2009 – 2017 | Associate professor
Faculty of Physics, West University of Timisoara
<ul style="list-style-type: none"> ▪ Numerical methods in physics, Modeling solar radiation, Photovoltaics |
| 2004 - 2009 | Lecturer
Faculty of Physics, West University of Timisoara
<ul style="list-style-type: none"> ▪ Numerical methods in physics. Semiconductor physics, Photovoltaics |
| 1995 -2004 | Assistant
Faculty of Physics, West University of Timisoara
<ul style="list-style-type: none"> ▪ Electronics, Semiconductor physics, Photovoltaics |

EDUCATION
AND TRAINING

- | | |
|-----------|---|
| 2016 | Habilitation in Physics
Faculty of Physics, West University of Timisoara
<ul style="list-style-type: none"> ▪ Thesis: <i>Estimation and forecasting of the PV systems output power</i> |
| 2001-2004 | PhD
Faculty of Physics, West University of Timisoara
<ul style="list-style-type: none"> ▪ PhD thesis: <i>Measurement and estimation of solar energy, Photovoltaics applications.</i>
 PhD supervisor: Prof. dr. Ioan Hrianca. |
| 1986-1991 | BSc
Faculty of Physics, West University of Timisoara
<ul style="list-style-type: none"> ▪ Theoretical Physics. |

PERSONAL
SKILLS

Mother tongue(s)	Romanian
Other language(s)	English

- Publications**
- 130 scientific papers published in peer-reviewed journals or communicated to international conferences from which 101 are indexed by WoS;
 - A book: M. Paulescu, E. Paulescu, P. Gravila, V. Badescu, *Weather Modeling and Forecasting of PV Systems Operations*, Springer, London, 2013);
 - Editor of: (1) *Physics of Nanostructured Solar Cells*, (V. Badescu, M. Paulescu, Eds) Nova Science, New York, 2010); (2) *Spectral characteristics of solar radiation: application in photovoltaic conversion* (V. Badescu, M. Paulescu), Elsevier, 2025.
 - 9 chapters published in edited books (Springer, Elsevier, Wiley, Symmetria Athena, Nova Science New York)
 - 1050 citations (without self-citations), according to WoS;
 - Hirsch index $h = 21$;
 - A full list of publications is available online at <http://www.physics.uvt.ro/~marius>

- Research projects**
- PN-III-P2-2.1-PED-2021-0544. Microrețea hibridă cu surse regenerabile de energie și cost de operare optimizat, ce integrează metode de management energetic bazate pe predicția puterii solare (HELloS) Partner leader. 2021-2024.
 - PN-III-P2-2.1-PED-2019-3942, All-sky imager-based solar power forecasting system for smart-grid operation. Project director, 2020-2022.
 - COST Action CA16235- PEARL PV, Performance and Reliability of Photovoltaic Systems: Evaluations of Large-Scale Monitoring Data. National Representative in the Management Committee. 2017-2022.
 - PN-III-P2-2.1-PED-2016-0592, PV Power Forecasting Toolkit for Smart Grid Management. Project director. 2017-2018.
 - UVT 30 / 2017 Estimation of the energy production by the PV plant Brestovat. Project director
 - 32-ELI/01.09.2016 ELICRYIS-2 .RO-CERN-Programme ELI-NP Domain, Physical and numerical experiments for studying LPA and their interaction with crystalline materials, Researcher, 2016-2019
 - E13/2014 ELICRYIS. RO-CERN-Programme ELI-NP Domain, Effects of high-energy radiation on some fluorite and semiconductor crystals, Researcher, 2014-2016
 - COST Action ES1002 WIRE: Weather Intelligence for Renewable Energies (EU-RTD Program, Researcher în WG-1: Forecasting the output power of PV plants, 2010-2014
 - UVT 32/2010 – Energy supplied by a PV system in Tg. Jiu area. Project director
 - PN II 21039/2007 - PASOR: Solutions for solar architecture BIPV, Scientific director of the project, 2007-2010
 - CEEEX 247/1/2006 - NANOPV. Increasing the nanostructured solar cells efficiency, Partner leader, 2006-2009
 - CEEEX-23/2006, CFN-DYE, Development foto-electro-chemical solar cells based on TIO₂ and dyes, Researcher, 2006-2009
 - CEEEX 6105/2005, QUANET, Simulation of quantum semiconductor devices, Researcher, 2005-2008

ADDITIONAL INFORMATION

- Awards**
- Romanian Academy award “Anghel Saligny” in 2015
 - West University of Timisoara award “Mircea Zaganescu” in 2017
- Membership in representative bodies**
- Renewable Energy Commission of the Romanian Academy
 - Editorial Board of Atmosphere (IF = 2.3)
- Membership in professional organizations**
- ISES – International Solar Energy Society
 - Romanian Physical Society

September 2025

Marius Paulescu

SCRISOARE DE MOTIVARE A CANDIDATURII

Pozitia vizata: Membru in Consiliul Facultatii de Fizica si Matematica

Nume: Marius Paulescu

Prin prezenta imi depun candidatura pentru un mandat de membru in Consiliul Facultatii de Fizica si Matematica.

Sunt cadru didactic la Facultatea de Fizica din anul 1991, avand titlul de profesor universitar din anul 2017. Am obtinut atestatul de abilitare in domeniul studiilor universitare de doctorat Fizica in anul 2016.

Aceasta candidatura are la baza dorinta subsemnatului de a contribui la dezvoltarea noii facultati a UVT, si anuma Facultatea de Fizica si Matematica.

Repere biografice

1. Cercetare:

- Indici scientometrici: Nr. articole ISI: >100; Factor Hirsch: 21
- Incepand cu anul 2008, in cadrul mai multor proiecte de cercetare, am conceput si dezvoltat Platforma Solara a UVT. Prin caracteristicile sale, Platforma Solara este un unicat in peisajul cercetarii din Romania.
- In 2019, o parte dintre cercetarile derulate intr-un proiect PED, proiect pe care l-am condus in calitate de director, au fost concretizate intr-un articol publicat de prestigiosul jurnal Progress in Energy and Combustion Science, cu un factor de impact IF = 26.467, probabil cel mai ridicat din istoria UVT.

2. Management academic

- De-a lungul timpului am fost director, director stiintific, responsabil partener in diferite proiecte de cercetare finantate UEFISCDI. Am fost reprezentant al Romaniei in comitetul de management al proiectului COST CA16235- PEARL PV.
- Membru in Senatul UVT din 2015 pana in 2019.
- Membru CSUD si Consiliul SDF in perioada 2019-2023

3. Prestigiu academic

- Premiul Academiei Romane "Anghel Saligny" in anul 2015
- Premiul "Mircea Zaganescu" al UVT in 2017
- Membru in Comisia de Energie Regenerabila a Academiei Romane

Daca voi fi ales membru al Consiliului Facultatii de Fizica si Matematica voi sprijini dezvoltarea echilibrata a ambelor dempartamente din facultate, preluarea de la fiecare departament a celor mai bune practici, voi actiona deopotriva pentru stisfacerea nevoilor studentilor si cadrelor didactice si voi sustine argumentul si dialogul ca principii de baza in procesul de luare a deciziilor,

09.09.2025

Prof. dr. Marius Paulescu

DECLARAȚIE

Subsemnatul, Marius Paulescu, CNP 1670517352637, profesor universitar la Facultatea de Fizică a Universității de Vest din Timișoara, declar pe proprie răspundere că nu am fost lucrător sau colaborator al securității.

Data: 09.09.2025

Marius Paulescu

