

SCRISOARE DE MOTIVARE A CANDIDATURII

Pozitia vizata: Membru in Consiliul Scolii Doctorale de Fizica

Nume: Marius Paulescu

Prin prezenta imi depun candidatura pentru un mandat de membru in Consiliul Scolii Doctorale de Fizica.

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 izvoraste din dorinta de a contribui la dezvoltarea Scolii Doctorale de Fizica si consolidarea pozitiei acesteia in cadrul IOSUD UVT,

Repere biografice

1. Cercetare:

- Indici scientometrici: Nr. articole ISI: 80; Factor Hirsch: 20
- 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

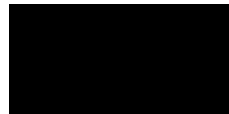
- Premiul Academiei Romane "Anghel Saligny" in anul 2015
- Premiul "Mircea Zaganescu" al UVT in 2017
- Membru in Comisia de Energie Regenerabila a Academiei Romane

Daca voi fi ales membru al Consiliului Scolii Doctorale de Fizica voi actiona conform urmatoarelor principii:


- Voi respecta statutul doctoranzilor de membrii ai comunitatii universitare.
- Voi sustine argumentul si dialogul ca principii de baza in procesul de luare a deciziilor;
- Voi sprijini dezvoltarea Scolii Doctorale de Fizica, inclusiv prin cooptarea de noi membri.
- Voi sprijini si promova excelenta in cercetare.
- Voi milita pentru creerea unui cadru pentru schimbul flexibil de idei intre doctoanzii scolii doctorale.
- Voi actiona pentru dezvoltarea unui seminar la nivelul Scolii Doctorale de Fizica;

11.10.2023

Prof. dr. Marius Paulescu

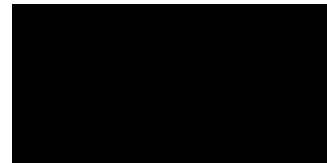


DECLARATIE

Subsemnatul, Marius Paulescu, , 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: 11.10.2023

Marius Paulescu



PERSONAL
INFORMATION

Marius Horia Paulescu



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🌐 <http://www.physics.uvt.ro/~marius>

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

WORK
EXPERIENCE

- 2017 – Present Professor
Faculty of Physics, West University of Timisoara
- Numerical methods in physics, Modeling solar radiation
- 2009 – 2017 Associate professor
2004 - 2009 Lecturer
Faculty of Physics, West University of Timisoara
Faculty of Physics, West University of Timisoara
- Numerical methods in physics, Modeling solar radiation, Photovoltaics
 - Numerical methods in physics. Semiconductor physics, Photovoltaics
- 1995 -2004 Assistant
Faculty of Physics, West University of Timisoara
- Electronics, Semiconductor physics, Photovoltaics

EDUCATION
AND
TRAINING

- 2016 Habilitation in Physics
Faculty of Physics, West University of Timisoara
- Thesis: *Estimation and forecasting of the PV systems output power*
- 2001-2004 PhD
Faculty of Physics, West University of Timisoara
- PhD thesis: *Measurement and estimation of solar energy, Photovoltaics applications*. PhD supervisor: Prof. dr. Ioan Hrianca.
- 1986-1991 BSc
Faculty of Physics, West University of Timisoara
- Theoretical Physics.

PERSONAL
SKILLS

- Mother tongue(s) Romanian
Other language(s) English
- Publications
- 120 scientific papers published in peer-reviewed journals or communicated to international conferences from which 85 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 *Physics of Nanostructured Solar Cells*, (V. Badescu, M. Paulescu, Eds) Nova Science, New York, 2010);
 - 8 chapters published in edited books (Springer, Elsevier, Wiley, Symmetria Athena, Nova Science New York)
 - 750 citations (without self-citations), according to WoS;
 - Hirsch index $h = 19$;
 - 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 ELICRYS-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 ELICRYS. 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
- CEEX 247/1/2006 - NANOPV. Increasing the nanostructured solar cells efficiency, Partner leader, 2006-2009
- CEEX-23/2006, CFN-DYE, Development foto-electro-chemical solar cells based on TIO₂ and dyes, Researcher, 2006-2009
- CEEX 6105/2005, QUANET, Simulation of quantum semiconductor devices, Researcher, 2005-2008

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 = 2.9)

Membership in professional organizations

- ISES – International Solar Energy Society
- Romanian Physical Society

October 2023

Marius Paulescu

