


## PERSONAL INFORMATION Marius Horia Paulescu



 Faculty of Physics  
 West University of Timisoara, Romania



## WORK EXPERIENCE

- 2017 – Present **Professor**  
 Faculty of Physics, West University of Timisoara
  - Numerical methods in physics, Modeling and forecasting of solar radiation, Photovoltaics
- 2009 – 2017 **Associate professor**  
 Faculty of Physics, West University of Timisoara
  - Numerical methods in physics, Modeling and forecasting of solar radiation, Photovoltaics
- 2004 - 2009 **Lecturer**  
 Faculty of Physics, West University of Timisoara
  - 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**
- 100 scientific papers published in peer-reviewed journals or communicated to international conferences from which 70 are indexed by WoS;
  - A book published by Springer, London in 2013 (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);
  - 6 chapters published in edited books (Springer, Wiley, Symmetria Athena, Nova Science New York)
  - 330 citations (without self-citations), according to WoS;
  - Hirsch index  $h = 15$
  - A full list of publications is available online at <http://www.physics.uvt.ro/~marius>

- Research projects**
- COST Action CA16235- PEARL PV, Performance and Reliability of Photovoltaic Systems: Evaluations of Large-Scale Monitoring Data. National Representative in the Management Committee. 2017-2021
  - 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 fluoride and semiconductor crystals, Researcher, 2014-2016
  - COST Action ES1002 WIRE: Weather Intelligence for Renewable Energies (EU-RTD Program, Researcher in 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 TIO<sub>2</sub> and dyes, Researcher, 2006-2009
  - CEEX 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

- Membership in professional organizations**
- ISES –International Solar Energy Society
  - Romanian Physical Society

November 2019

Marius Paulescu

## **SCRISOARE DE MOTIVARE A CANDIDATURII**

**Pozitia vizata: Membru in Consiliul pentru studii universitare de doctorat**

**Nume: Marius Paulescu**

Prin prezenta imi depun candidatura pentru un mandat de membru in Consiliul pentru studii universitare de doctorat.

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 constientizarea faptului ca activitatea in scolile doctorale este printre cele mai importante din UVT, fiind strans legata de aspiratiile UVT de a fi o universitate de cercetare avansata si educatie. Doresc ca in masura capabilitatilor mele sa contribui la cresterea IOSUD UVT pe toate palierele vietii academice.

### **Repere biografice**

#### **1. Cercetare:**

- Indici scientometrici: Nr. articole ISI: 70; Factor Hirsch: 15
- 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, 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.
- In prezent sunt reprezentant al Romaniei in comitetul de management al proiectului COST CA16235- PEARL PV.
- Membru in Senatul UVT

#### **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 pentru studii universitare de doctorat voi actiona conform urmatoarelor principii:

- Chiar daca candidez din partea Scolii doctorale in fizica, imi propun sa pastrez un echilibru intre statutul de reprezentant al unei scoli doctorale si de membru al

- intregii comunitati a UVT, constient fiind ca deciziile ce urmeaza a fi luate vor trebui sa fie in interesul universitatii ca intreg;
- Voi respecta statutul doctoranzilor de membrii ai comunitatii universitare si nu de beneficiari ai serviciilor acesteia;
  - Voi sustine argumentul ca principiu de baza in dialogul din comunitatea academica si in procesul de luare a deciziilor;
  - Voi sprijini un sistem de evaluare a performantei stiintifice care sa permita identificarea domeniilor de excelenta din UVT. Criteriile de calitate promovate in cadrul acestui sistem trebuie sa fie in acord cu cele promovate la nivel national si international si sa fie specifice fiecarui domeniu;
  - Voi milita pentru intarirea scolilor doctorale existente si pentru dezvoltarea altora noi.
  - Voi sprijini si promova excelenta in cercetare;
  - Voi milita pentru un mod echitabil de reflectare a activitatii de conducere de doctorat in statele de functiuni.

15.11.2019

Prof. dr. Marius Paulescu

## DECLARAȚIE

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: 15.11.2019

Marius Paulescu