


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

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

## EDUCATION AND TRAINING

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

## 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);
  - 8 chapters published in edited books (Springer, Elsevier, Wiley, Symmetria Athena, Nova Science New York)
  - 600 citations (without self-citations), according to WoS;
  - Hirsch index  $h = 18$ ;
  - A full list of publications is available online at <http://www.physics.uvt.ro/~marius>

- Research projects**
- 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 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

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- 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 = 2.686)

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

**February 2022**

**Marius Paulescu**