

PERSONAL INFORMATION

Marius Horia Paulescu



📍 Faculty of Physics
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🌐 <http://solar.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 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**
- 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)
 - 850+ citations (without self-citations), according to WoS;
 - Hirsch index $h = 20$
 - A full list of publications is available online at <http://solar.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 (HELioS) 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
 - 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

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 = 2.9)

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

May 2024

Marius Paulescu