

PROF.UNIV.DR.ING. SIMONA MICLAUS

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Discipline predate in anul univ. 2020-2021:

1. Masurari in electronica si telecomunicatii.
2. Unde electromagnetice, propagare si antene.

Studii:

- 1998-2003 – Studii doctorale, Facultatea de Fizica, Universitatea din Bucuresti, domeniul: Fizica;
- 1985-1990 – Studii de licență, Facultatea de Fizica, Universitatea din Bucuresti, specializarea: Fizica tehnologica, diploma de inginer fizician.

Parcurs în carieră:

- din decembrie 2018, abilitare in Inginerie Electrica; conducator de doctorat afiliat la Scoala Doctorala a Universitatii Tehnice din Cluj-Napoca;
- din martie 2015, profesor universitar – domeniul Inginerie Electrica, Academia Fortelor Terestre „Nicolae Balcescu”, Sibiu;
- 2007 - martie 2015, conferentiar universitar – domeniul Inginerie Electrica, Academia Fortelor Terestre „Nicolae Balcescu”, Sibiu;
- 2001 - 2007, lector universitar, Academia Fortelor Terestre „Nicolae Balcescu”, Sibiu;
- 1995 - 2001, asistent universitar, Academia Fortelor Terestre „Nicolae Balcescu”, Sibiu;
- 1991 - 1995, preparator universitar, Institutul Militar de Transmisiuni „Decebal”, Sibiu;
- 1990 – 1991, inginer fizician, Intreprinderea „Mecanica” (SIMEROM S.A.), Sibiu.

Activitate de cercetare științifică:

- 68 lucrari stiintifice publicate in reviste cotate sau in proceedings indexate de Clarivate Analytics - ISI Thomson Reuters
- 35 lucrari publicate in reviste sau in proceedings indexate in alte baze de date internationale
- 30 de participari la manifestari stiintifice din strainatate
- peste 40 de participari la manifestari stiintifice din tara
- indexul de citari (aprilie 2021) - ISI Thomson Reuters: Hirsch index=8; Google Scholar: Hirsch index=12 (total), Hirsch index=10 (din 2016-prezent); I-10 index=13 (din 2016-prezent)

- carti publicate: 3 carti - ca unic autor in edituri recunoscute la nivel national, 1 carte - ca autor principal si 1 carte - ca autor second; 1 capitol – carte in editura recunoscuta din tara; 2 capitole – carti din strainatate
- membru in echipa de cercetare a 10 proiecte finantate prin contracte obtinute prin competitie la nivel national, dintre care la 2 proiecte – director, la 1 proiect – responsabil la partener, la 1 proiect – mentor postdoc.
- contributor al Romaniei pentru Working Package 7 (WP7) al FP6 project: „EMFNet: Effects Of The Exposure To Electromagnetic Fields: From Science To Public Health And Safer Workplace”, Deliverable reports D32 & D34, Project no. SSPE-CT2004-502173, coordination action, 2008
- membru al Comitetului de Management si al Working Group 1: The European Action COST Action BM0704 "Emerging Electromagnetic Field Technologies and Health" 2008-2012.
- membru supleant al Comitetului de Management si membru al Working Group WG3: European BMBS COST Action BM1309 - "European Network for Innovative Uses of Electromagnetic Fields in Biomedical Applications (EMF-MED)" 2014-2018.
- membru supleant in comitetul de management al Actiunii Europene CA 17115 "European network for advancing Electromagnetic hyperthermic medical technologies" (My Wave) 2018-2022
- ITC Conference Manager al Actiunii Europene CA 17115 "European network for advancing Electromagnetic hyperthermic medical technologies" (My Wave) 2018-2022 (<https://www.um.edu.mt/projects/mywave/members/core-group/>)

Activitate de evaluare a cercetarii stiintifice:

- recenzor la revistele (majoritatea in WoS): 1) Progress in Electromagnetic Research (PIER, PIER B,C,M, PIER Letters) - din 2009; 2) Measurement – din 2014; 3) Scientific Research and Essays – din 2014; 4) Neural Computing and Applications – din 2014; 5) International Journal of Occupational Safety and Ergonomics (JOSE) – din 2014; 6) Environmental Engineering and Management Journal (EEMJ) – din 2015; 7) Journal of Electromagnetic Analysis and Applications (JEMAA) – din 2016; 8) Journal of Biological Physics – din 2017; 9) Journal of Visualized Experiments (JoVE) – din 2017; 10) Science of the Total Environment – din 2018; 11) IEEE Journal of Electromagnetics, RF, and Microwaves in Medicine and Biology - din 2019; 12) Sensors – din 2019; 13) Environments – din 2019; 14) Materials – din 2020; 15) IET Microwaves, Antennas & Propagation – din 2020; 16) Electronics – din 2020; 17) Symmetry – din 2020; 18) Recent Advances in Computer Science and Communications – din 2020; 19) Topic Editor in the team of Sensors (IF 3.275) – din iulie 2020; 20) Journal of Sensor and Actuator Networks – din 2021.

Experienta de cercetare si predare in strainatate :

1. visiting scientist - the Abdus Salam International Centre for Theoretical Physics, Trieste, Italy, 17.09-02.10.1998
2. visiting scientist - Istituto Di Ricerca Scientifica E Tecnologica, Istituto Trentino Di Cultura, Laboratory Of Bioelectromagnetics & Radiofrequency Dosimetry, Trento, Italy, 25 July -20 August 2005

3. staff mobility – teaching assignment, Erasmus Programme, Universidade Nova De Lisboa, Faculdade De Ciencias E Tecnologia, Lisbon, Portugal: 06.05-11.05.2012; 13.05- 17.05.2013; 21.04-26.04.2014.

4. Short Term Scientific Mission, COST EMF - MED (Action BM1309): European network for innovative uses of electromagnetic fields in biomedical applications, 15-25 February 2018, Host Institution: University of Malta, Department of Physics, Electromagnetics Laboratory.

Sibiu, 29 aprilie 2021