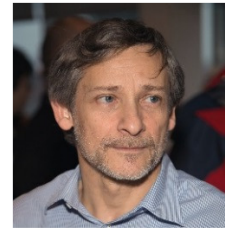


**Prof. Dr. Boris Majaron**  
 Senior Scientific Associate  
 Jožef Stefan Institute  
 Ljubljana, Slovenia



1. 7. 2021

## CURRICULUM VITAE

### Education, Academic degrees

1980 High-school Bacaulareat (cum laude); Mathematical-Physical program, Maribor, Slovenia  
 1985 B.S. in Physics, Scientific program (final grade: 9.6 /10); Faculty of Sciences and Technology (FST), University of Ljubljana  
 1989 M.S. in Physics, Solid-State Physics and Electrooptics (grade: 9); FST, Ljubljana  
 1991, 1994, 1997 Teaching Assistant in Physics; Physics Department, FST, University of Ljubljana  
 1993 Ph.D. in Physics; Physics Department, FST, University of Ljubljana  
 2000 Scientific Associate; Jožef Stefan Institute, Ljubljana  
 2000, 2004 Assistant Researcher; Beckman Laser Institute (BLI), University of California at Irvine  
 2005 Assistant Professor of Physics; habilitation by University of Ljubljana  
 2006, 2011, 2016 Senior Scientific Associate; Jožef Stefan Institute, Ljubljana  
 2010, 2015 Associate Professor of Physics; University of Ljubljana  
 2021 Full Professor of Physics; University of Ljubljana

### Job positions

1985–1993 Junior Research Assistant; Physics Department, FST, University of Ljubljana  
 1993–2000 Postdoctoral Research Assistant; Jožef Stefan Institute, Ljubljana  
 1998–2000 Visiting Postgraduate Researcher; BLI, University of California at Irvine  
 2000–2001 Scientific Associate; Jožef Stefan Institute, Ljubljana  
 2000, 2002, 2003, 2004, 2005–2006 Visiting Assistant Researcher; BLI, Univ. California Irvine  
 2002 Professional Secretary; Complex Matter Dept., Jožef Stefan Institute, Ljubljana  
 2003–2004 Scientific Associate; Jožef Stefan Institute, Ljubljana  
 2004–2005 Professional Secretary; Complex Matter Dept., Jožef Stefan Institute, Ljubljana  
 2006– Senior Scientific Associate; Jožef Stefan Institute, Ljubljana  
 2009–2012 Adjunct Professor position; Faculty for Mathematics and Physics, Univ. Ljubljana  
 2016– Adjunct Professor position; Faculty for Mathematics and Physics, Univ. Ljubljana

### Awards

1977–1980 several awards from high-school competitions in mathematics and physics  
 1980 Student of the year, First Gymnasium, Maribor  
 1985 ISKRA prize for an outstanding B.S. thesis  
 2002 US Air Force travel grant; ASLMS Annual Meeting, Atlanta, GA (USA)  
 (travel expenses, conference fee, and two courses)  
 2018 Grinzato Award nomination, 14<sup>th</sup> QIRT Conference, Berlin (Germany)

### Invited talks

- 16 at international scientific meetings (incl. *Gordon Research Confer.*, *Photonics West*, *ECBO*, *ICPPP*)
- 8 at foreign universities (incl. UT Austin, UC Irvine, OMLC, Univ. Bern, NUST Trondheim)
- 12 at local universities and institutes
- 6 at local scientific and professional meetings

### Editorial board member

2005– *Lasers in Surgery and Medicine* (Wiley-Blackwell); Associate Editor since 2015

2007– *Journal of the Laser and Health Academy* (Laser and Health Academy)

2017–18 *International Journal of Thermophysics* (Springer Nature); Guest Editor

### Member of scientific/program committee for international scientific meetings

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007 *Lasers in Dentistry*;  
Biomedical Optics Symposium (BIOS), Photonics West, San Jose, CA (USA)

2005 *Laser Technologies for Medicine*; LAT 2005, Saint Petersburg (Russia)

2009 *15<sup>th</sup> Internat. Conf. on Photoacoustic and Photothermal Phenomena*; Leuven (Belgium)

2011 *16<sup>th</sup> Internat. Conf. on Photoacoustic and Photothermal Phenomena*; Mérida (Mexico)

2013 *17<sup>th</sup> Internat. Conf. on Photoacoustic and Photothermal Phenomena*; Suzhou (China)

2015 *18<sup>th</sup> Internat. Conf. on Photoacoustic and Photothermal Phenomena*; Novi Sad (Serbia)

2017 *19<sup>th</sup> Internat. Conf. on Photoacoustic and Photothermal Phenomena*; Bilbao (Spain)

2019 *Photonics in Dermatology and Plastic Surgery*; BIOS, Photonics West, San Francisco, CA (USA)

2019 *20<sup>th</sup> Internat. Conf. on Photoacoustic and Photothermal Phenomena*; Moscow (Russia)

2020 *Photonics in Dermatology and Plastic Surgery*; BIOS, Photonics West, San Francisco, CA (USA)

2021 *Photonics in Dermatology and Plastic Surgery*; BIOS, Photonics West, San Francisco, CA (USA)

2022 *21<sup>st</sup> Internat. Conf. on Photoacoustic and Photothermal Phenomena*; Bled (Slovenia) – vice chair

### Other service to professional community

1999– Reviewing manuscripts for scientific journals: *Applied Optics*, *Applied Physics B: Lasers & Optics*, *Biomedical Optics Express*, *British Journal of Dermatology*, *Chemical Reviews*, *Infrared Physics and Technology*, *International Journal of Thermophysics*, *Journal of Applied Physics*, *Journal of Visualized Experiments*, *Journal of Biomedical Optics*, *Lasers in Medical Science*, *Lasers in Surgery and Medicine*, *Medical Engineering & Physics*, *Optics Express*, *Optics Letters*, *Photonics*, *Sensors & Actuators: B Chemical*

2014 Off-site review of a research grant proposal; *ERC Consolidator Grant* (Horizon 2020)

2014–17 Slovenian representative in the Management Committee (MC) of the *European network for skin cancer detection using laser imaging* (COST BM1205)

2015–18 Substitute of the Slovenian representative in the MC of *The European upconversion network: From design of photon-upconverting nanomaterials to biomedical applications* (COST CM1403)

2017– Slovenian representative in the MC of the scientific network *MULTI-modal Imaging of FOREnsic SciEnce Evidence - Tools for Forensic Science* (COST CA16101)

2019– Substitute of the Slovenian representative in the MC of the scientific network *Cancer Nanomedicine - from the bench to the bedside* (COST CA17140)

### Membership in professional societies

1986– DMFA –Slovenian Society of Mathematicians, Physicists and Astronomers, member

1994– SPIE – The International Society for Optical Engineering, member

1998–2000, 2011– OSA – Optical Society of America, member

2002– ASLMS – American Society for Laser Medicine and Surgery, member; Fellow since 2004

#### Research project grants

- 1998–2001 *Clinical development of Er:YAG laser skin resurfacing*; (ARRS –The Slovenian Research Agency), co-PI
- 2001– 6 bilateral collaboration support grants (ARRS), PI
- 2001–2004 *Effects of laser irradiation on eye and periocular tissues*; (ARRS), co-PI
- 2004–2007 *Development of new laser therapies for cutaneous vascular lesions*; (ARRS), co-PI
- 2010–2011 *Feasibility study of pulsed photothermal radiometry application in dermatologic laser surgery*; R&D contract (Fotona d.d., Ljubljana), PI
- 2011–2013 *Smart Electromagnetic Medical Devices*, subproject *ThermoSmart*; Center of Competence in Biomedical Technology (ESRR-07-13-EU), PI
- 2019–2020 *Podpora razvoju prototipne naprave za neinvazivno karakterizacijo prehodnih sprememb v človeški koži* (Lastinski inženiring d.o.o., Novo Mesto), Consultant

#### Pedagogical experience

- 1985–2012 Conducting problem-solving classes and laboratory workshops at FMP, Univ. of Ljubljana:  
*Electrooptics*;  
*Physics 1* for students of Physics (5 years);  
*Physics* for students of Chemistry, Chemical technol., and Biology (1–2 semesters each);  
*Physics workshop 1* for students of Physics (2 sem.), Chemistry (3 sem.), and Pharmacy;  
*Physics workshop 3* for students of Physics (2 sem.).
- 1986– Tutor for many student internships and seminar works
- 1996– Mentor or co-mentor for:  
 3 Ph.D. theses (+2 in progress),  
 2 M.S. theses,  
 9 university diploma theses: 4 masters (+2 in progress), 6 bachelor level,  
 2 college-level diploma works
- 2002– Member of numerous committees for Ph.D. thesis exposition or defence, academic promotions, etc.
- 2006–2010 Short lecture series for doctoral students of Biophysics (Medical Faculty, Univ. Maribor)
- 2012– Developer and lecturer of the course *Optical Techniques for Medicine*; masters program in Medical Physics (FMP, Univ. of Ljubljana)
- 2017– Co-developer and co-lecturer of the course *Selected Topics in Physics of Matter*; masters program in Educational Physics (FMP, Univ. of Ljubljana)

