

CURRICULUM VITAE

Jonathan Klamkin

PROFESSIONAL EXPERIENCE

Electrical and Computer Engineering Department

University of California Santa Barbara

Associate Professor (2015-present)

Director UCSB Nanotech (Nanofabrication Facility) (2018-present)

Electrical and Computer Engineering Department

Division of Materials Science and Engineering

Boston University

Assistant Professor (2013-2015)

Institute of Communication, Information and Perception Technologies (TeCIP)

Scuola Superiore Sant'Anna, Pisa, Italy

Assistant Professor (2011-2013)

Director Integrated Photonic Technologies Center (InPhoTeC)

Erasmus Mundus Visiting Professor Fellowship

Massachusetts Institute of Technology (MIT), Lincoln Laboratory

Technical Staff Member, Electrooptical Materials and Devices Group (2008-2011)

BinOptics Corporation, Ithaca, NY

Optoelectronic Device Design and Test Engineer (2001-2002)

EDUCATION

University of California, Santa Barbara, CA

Ph.D. (2008)

M.S. (2004)

Technology Entrepreneurship Certificate, Technology Management Program (2006)

Cornell University, Ithaca, NY

B.S. (2002)

TEACHING

- Electromagnetic Fields, Guided Waves and Radiation (undergraduate), UCSB
- Semiconductor Lasers I, II, and III (graduate), UCSB
- Optoelectronics (graduate), UCSB
- Introduction to Photonics (graduate), Boston University
- Photonic Integrated Circuits (graduate), Scuola Superiore Sant'Anna

ADVISING

- Postdoctoral Scholars supervised: 8
- Ph.D. Students advised: 15 (3 graduated)
- M.S. Students advised: 4 (3 graduated)

- B.S. Students advised: 5
- Other Committees (Ph.D. and M.S. students from other groups): 12
- Visitors Hosted: 6

HONORS AND AWARDS

- Young Scientist Award, Photonics and Electromagnetics Research Symposium (2019)
- DARPA Young Faculty Award (2018)
- Best paper, Asia Communications and Photonics Conference (2017)
- NASA Early Stage Innovations Award (2015, 2017)
- Elevated to OSA Senior Member (2015)
- NASA Early Career Faculty Award (2014)
- Elevated to IEEE Senior Member (2014)
- Boston University College of Engineering Dean's Catalyst Award (2013)
- Marie Curie Fellowship (2012)
- European Commission Erasmus Mundus Visiting Professor Fellowship (2011)
- Best paper, International Topical Meeting on Microwave Photonics (2007)
- Best paper, Conference on Optoelectronic and Microelectronic Materials and Devices (2006)
- University of California Microelectronics Innovation and Computer Research Fellowship (2002)

PROFESSIONAL ACTIVITIES

- Managing Editor, Nanophotonics (De Gruyter), (2019-present)
- General Chair, Integrated Photonics Applications, Integrated Photonics Research, Silicon and Nanophotonics (IPR) Conference (2018)
- Program Chair, Integrated Photonics Applications, Integrated Photonics Research, Silicon and Nanophotonics (IPR) Conference (2017)
- Vice Chair of IEEE Microwave Theory and Techniques Society Technical Committee on Microwave Photonics (from 2014-present)
- Journal of Lightwave Technology Steering Committee Member (2015-present)
- Associate Editor for Photonics Technology Letters (2015-present)
- Technical Program Sub-Committee Chair, Integrated Photonics Applications, Integrated Photonics Research, Silicon and Nanophotonics (IPR) Conference (2016)
- Member of IEEE Microwave Theory and Techniques Society Technical Committee on Microwave Photonics (from 2014-2016)
- Coauthor IEEE Microwave Magazine invited review article on "RF Engineering Meets Optoelectronics: Progress in Integrated Microwave Photonics," Focused Issue Feature (2015)
- Member of IEEE Boston Photonics Society Planning Committee (2014-2015)
- Organized workshop on "Photonics in data centers and modern computing: Interconnection and switch technologies," Photonics in Switching Conference (2015)
- Co-organizer for Boston chapter of IEEE Photonics Society Spring Workshop Series on, "Integrated Photonic Technologies" (April, 2015)
- Workshop Co-organizer, "Silicon photonics: is it still in hype or on its way to the field?" Optical Fiber Communication (OFC) Conference (2015) (attended by >200 people)
- Organized workshop on "Photonic Integrated Circuit Design: InP Technology," held at Boston University Photonics Center (June 16-20, 2014)
- Panel reviewer for National Science Foundation SBIR/STTR program (2014)
- Member of Technical Program Committee (TPC), IPR Conference (2014, 2015, 2016)

- Member of TPC, Photonics in Switching Conference (2011, 2012, 2015)
- Member of TPC, OFC (2012, 2013, 2014, 2015)
- Workshop Organizer, “Laser Sources for Silicon Photonics: Overcoming the Final Bottleneck,” OFC Conference (2013) (attended by >200 people)
- Member of TPC, Microwave Photonics Conference (2009, 2010, 2011, 2013)
- Member of TPC, IEEE Photonics Conference (2011, 2012, 2013)
- Member of TPC, Group IV Photonics (2019)
- Steering Committee Member, European Conference on Integrated Optics (2019, 2020)
- Regular reviewer for Nature Communications, Nature Photonics, Optics Express, Optics Letters, IEEE Photonics Technology Letters, IEEE Journal of Quantum Electronics, Journal of Lightwave Technology

PUBLICATIONS

- Published >180 journal and conference papers (see Google Scholar page for details)
- Delivered >50 invited, tutorial, or plenary talks
- 3 patents