

SHUJI NAKAMURA
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Education

University of Tokushima	Tokushima, Japan	Electrical Engineering	B.Sc., 1977
University of Tokushima	Tokushima, Japan	Electrical Engineering	M.S., 1979
University of Tokushima	Tokushima, Japan	Electrical Engineering	Ph.D., 1994

Area Specialization

Shuji Nakamura, Professor of Materials and Electrical and Computer Engineering, is the Co-Director of the Solid State Lighting and Energy Electronics Center. His research areas include MOCVD growth of nitride-based wide-bandgap semiconductors and their application to LEDs and laser diodes with an emission wavelength of infrared to UV regions.

Appointments

- 2014-present Research Director, Solid State Lighting and Energy Electronics Center
- 2007-2013 Research Director, Solid State Lighting and Energy Center
- 2002-2007 Research Director, Solid State Lighting and Display Center
- 1999-present Professor, Materials & ECE Departments, University of California, Santa Barbara
- 1993-1999 Senior Researcher, Department of R&D, Nichia Chemical Ind., Ltd.
- 1989-1993 Group Head, R&D, Nichia Chemical Ind., Ltd.

Professional Activities

- 2018 Honorary Professor of Northwestern University in Xi'an, Honorary Professor of Chengdu University of Technology, Honorary Professor of Chengdu University
- 2017 Honorary Academician of Academia Sinica in Taiwan, Doctor Honoris Causa from University of Warsaw in Poland, Doctor Honoris Causa from Universidad International Menendez Pelayo in Spain
- 2015 Doctor Honoris Cause from Wroclaw University in Poland
- 2013 Co-Founder, Soraa Laser Diode Inc.
- 2008 Visiting Honorary Professor, Hong Kong University of Science and Technology, Doctor of Engineering Honoris Causa from HKUST in Hong Kong
- 2007 Co-Founder, Soraa Inc.
- 2002 Endowed Chair, Cree Chair in Solid State Lighting and Display
- 2000-Present Scientific Advisory, CREE Inc.

Award/Honors

- 1997 Materials Research Society (MRS) Medal Award
- 1998 IEEE Jack A. Morton Award, British Rank prize
- 2000 Honda Award, Carl Zeiss Research Award
- 2001 OSA Nick Holonyak Award, LEOS Distinguished Lecturer Award
- 2002 Benjamin Franklin Medal in Engineering, IEEE/LEOS Quantum Electronics Award

2003 National Academy of Engineering (NAE) Member
2004 The Society for Information Display (SID) Karl Ferdinand Braun Prize
2006 Millennium technology prize, Finland
2008 The Prince of Asturias Award (The Prince of Asturias Foundation, Spain)
2009 Harvey Prize by Technion, Israel institute of Technology
2014 Nobel Prize in Physics, National Academy of Inventors (NAI) Member
2015 Charles Stark Draper Prize for Engineering, National Inventors Hall of Fame, Global Energy Prize in
Russia
2017 IET Mountbatten Medal Award in London
2018 Zayed Future Energy Prize Lifetime Achievement, United Arab Emirates
2019 Leigh Ann Conn Prize for Renewable Energy by the University of Louisville
2020 NAS Award for the Industrial Applications of Science