

# Surajit Bose

## Marie S.Curie MULTIPLY Fellow

### Contact

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### Skills

Fabrication of photonic crystal fiber. Launching ultra-short pulse into fiber. Designing nonlinear waveguide using FEM based software. Solving (numerically) Nonlinear Schrödinger Equation

### Programming

MATLAB  
PYTHON  
FORTRAN  
C

### Languages

English  
Hindi  
Bengali  
Deutsch(A1)

Highly motivated Postdoctoral Researcher conducts theoretical and experimental research and participates in study of few-cycle solitons that demonstrate experience with complex data analysis and high-performance computing. Documented publication record in Physical Review Letter. Work as a tutor in different exercise and practical classes. Participated in seminar on numerical optics. Recent PhD in Science with effective verbal and written communication skills to deliver excellent presentations and prepare written reports. Proficient in finite element method and computational photonics, with advanced abilities in COMSOL, JCMwave, MATLAB and deep grasp of rigorous research procedure.

### Work History

2018-01- Current	<b>Post-Doctoral Research Fellow</b> <i>IOQ, Leibniz University, Hannover, Lower Saxony</i> <i>Currently working for project: Few-cycle pulse dynamics for coherent light sources</i>
2012-06- 2017-12	<b>Research Fellow</b> <i>CSIR-Central Glass and Ceramic Research Institute, KOLKATA, WEST BENGAL</i> <i>Research work: Fabrication of photonic crystal fiber and super-continuum generation</i>

### Education

2012-2018	<b>Ph.D.: Science (Photonics)</b> <i>Academy of Scientific and innovative Research , India</i>
2009-2011	<b>Master of Science: Physics</b> <i>University of Calcutta, India</i>
2006-2009	<b>Bachelor of Science: Physics</b> <i>University of Calcutta-,India</i>

### Awards

- Fifth Prize in the Fourth International URSI STUDENT PRIZE PAPER COMPETITION, XXXII URSI GASS 2017, Montreal, Canada.
- OSA student prize at Photonics 2016, IIT Kanpur, Kanpur, India.
- Best poster award from IEEE at WRAP 2015, IISC-Bangalore, India.
- OSI award certificate for commendable research work in ICOP 2015, Kolkata, India.
- Best poster award from OSI at WRAP 2013, IIT Delhi, India.