

ANNOUNCEMENT OF THE 2022 EDS MASTERS STUDENT FELLOWSHIP WINNER

The Electron Devices Society Masters Student Fellowship Program was designed to promote, recognize, and support Masters level study and research within the Electron Devices Society's field of interest.

EDS proudly announces the winner of the 2022 EDS Masters Student Fellowship.

Kamal Rudra Chatterjee Kamal Rudra is a second-year graduate student at the University of Michigan, Ann Arbor pursuing his master's in Electrical and Computer Engineering with a specialization in Solid State and Nanotechnology. He is a recipient of SPIE Laser Technology, Engineering and Applications Scholarship 2022 and J.A. Woollam Company Scholarship 2022 by SVC Foundation. More recently, he was awarded the J.N. Tata Endowment Gift Scholarship



*Kamal Rudra
Chatterjee*

for academic excellence by the Tata Education and Development Trust. He is currently working on multiple challenging research themes at the University of Michigan; namely on fabrication photonic devices as well as characterization of solid-composite electronic materials.

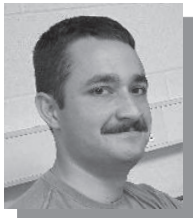
Rudra wishes to contribute and be a catalyst in the growth of semiconductor and photonics industry.

*Subramanian Iyer
EDS Student Fellowship Committee Chair
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ANNOUNCEMENT OF THE 2022 EDS UNDERGRADUATE STUDENT FELLOWSHIP WINNERS

The Electron Devices Society Undergraduate Student Fellowship Program was designed to promote, recognize, and support undergraduate level study and hands-on experience within the Electron Devices Society's field of interest.

EDS proudly announces the winner of the 2022 EDS Undergraduate Student Fellowship.



Alexander Yovanovich

Alexander Yovanovich is a fifth-year Microelectronics student at the Rochester Institute of Technology. He is currently working within Dr. Stefan Preble's photonics research group on two primary projects, one for photonics education, and another for implementing lithium niobate modulators using silicon nitride waveguides. His interest in the field of

photonics started almost by accident, picking up an introductory class after the start of last semester while making some last-minute schedule corrections. As the course progressed, he became more interested in the field as it combined many of the aspects that interest him within the field of microelectronics, including materials science, computing/data processing, and device design. This interest led to a summer research assistantship within the RIT Integrated Photonics group which in turn drove his current end-of-degree capstone projects. As a student, he has always been interested in the fields of engineering and physics, completing an independent study of processor design in high school and exploring various projects involving physics and/or electrical engineering in his spare time. This interest in understanding what makes things

work has been the driving factor in his educational goals to date, with his initial interest in the field of microelectronics originating from the aforementioned independent study and the realization of how immensely complex the devices that drive the modern digital world must be. Through his study of how to manufacture such devices as part of his degree, he has furthered an understanding of physics, materials science, chemistry, statistics, and many more (often unexpected) fields. With this knowledge, he hopes to continually learn more and attempt to understand the extremely broad and interdisciplinary nature of device design. In addition to his undergraduate studies, Alexander also is a member of Air Force Reserve Officer Training Detachment 538 at RIT and is due to commission into the United States Space Force as an electrical engineer upon graduation. From his time in the ROTC program, he has come to appreciate the complexities of various non-technical leadership and management skills. He hopes to put these skills to work in combination with his technical background to bridge the knowledge gap present within many engineering projects and more effectively drive the field of microelectronic devices forward. In the final year of his degree, he anticipates learning much more while implementing the skills and knowledge gained over the course of his undergraduate study through the execution of his two capstone technical projects.

*Durga Misra
EDS Undergraduate Student
Fellowship Committee Chair
New Jersey Institute of Technology*