

**FOREIGN FELLOWS ELECTED 2021**  
*(Effective from January 1, 2022)*

**1. Cooks, Robert Graham** (b. 02.07.1941), *Henry Bohn Hass Distinguished Professor, Department of Chemistry, Purdue University, 560 Oval Drive, West Lafayette, IN 47907, USA.*

Professor Cooks is an intellectual leader in analytical chemistry and has contributed significantly to the premier position that Purdue University holds in this field. He is widely considered to be the leading active scientist in mass spectrometry. His multiple reaction monitoring method (MRM) is widely used in proteomics. His early work on energy transfer in ion collisions led to a method of chiral determination by mass spectrometry. He was the first to use a matrix to improve ionization and he invented the ambient ionization methods.

**2. Mukamel, Shaul** (b. 11.12.1948), *Distinguished Professor of Chemistry and of Physics and Astronomy, University of California, Irvine, Department of Chemistry-1102 Natural Sciences II, Irvine, CA 92697-2025.*

Professor Mukamel had pioneered the field of coherent ultrafast multidimensional molecular spectroscopy across the electromagnetic spectrum from the THz to the X-ray regime. His unified diagrammatic framework for nonlinear spectroscopy based on "Liouville space pathways" and his popular textbook "Principles of Nonlinear Optical Spectroscopy (1995), commonly referred to as "The Bible" of nonlinear spectroscopy, had created the standard language for the design and interpretation of ultrafast spectroscopic signals of molecules.

**3. Ramesh, Ramamoorthy** (b. 10.06.1960), *Purnendu Chatterjee Professor, Department of Physics and Department of Materials Science & Engineering, University of California, Berkeley, CA 94720.*

Professor Ramesh's work on complex oxide thin film epitaxy, heterostructure and superlattice synthesis has led to several fundamental and applied discoveries, spanning atomic scale design of interfaces in ferroelectrics materials and memories, colossal magnetoresistance in manganites, electric field control of magnetism using multiferroics.