THE 22ND RIES-HOKUDAI INTERNATIONAL SYMPOSIUM

https://www.es.hokudai.ac.jp/symposium/2021



Prof. Paul Weiss
University of California Los Angeles
Plenary Lecture
Atomically Precise Chemical, Physical, Electronic, and Spin Contacts and Interfaces

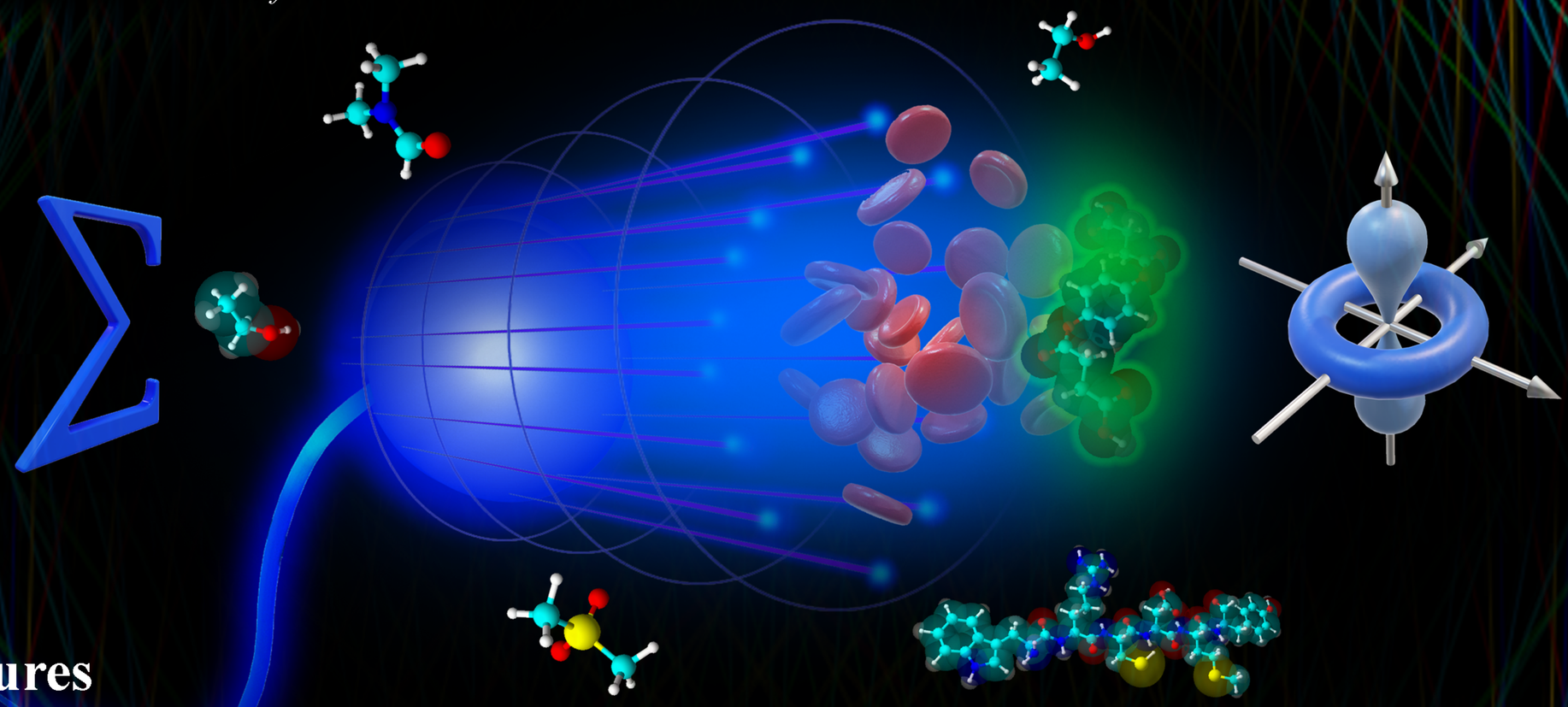
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6 - 7 December 2021
Online



Prof. Prashant Kamat
University of Notre Dame, Indiana
Plenary Lecture
Halide Ion Migration in 3D and 2D Perovskites



Invited Lectures

Prof. Challapalli Subrahmanyam, *IIT Hyderabad*
Plasmonic Non-noble Metal Sensitized Semiconducting Electrodes for PEC Water Splitting

Prof. Elliott Ginder, *Meiji University*
Active Interfaces and Why They Matter

Prof. Jin Cheng, *Fudan University*
Theory and Algorithms of Extracting Information from Big Data with Random Noises

Prof. Mamoru Hashimoto, *Hokkaido University*
Coherent Raman Endoscopy for Label-Free Imaging During Surgery

Prof. Martin Vacha, *Tokyo Institute of Technology*
Single Molecule Spectroscopy in Physics and Chemistry of Materials: From Conjugated Polymers and Perovskite Nanocrystals to Photosynthetic Systems

Prof. Masaaki Murakami, *Hokkaido University*
Inflammation Regulation via IL-6 Amplifier and Gateway Reflex

Prof. Shi-Wei Chu, *National Taiwan University*
Optical Volumetric Imaging of Brain: High Speed, Deep Penetration, and Super-Resolution

Prof. Shuhei Furukawa, *Kyoto University*
Porous Soft Materials Based on Metal-Organic Cages

Prof. Sohei Tasaki, *Hokkaido University*
*Morphologies of *Bacillus Subtilis* Communities Responding to Environmental Variation*

Prof. Yasushi Yagi, *Osaka University*
Computer Vision in Medical Applications

Prof. Hiromichi Ohta, *Hokkaido University*
Thermoelectric Energy Conversion using Metal Oxide Thin Films

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