

ICAT - IIT Indore Joint Symposium on Catalysis

Date: Sep 28th, 2022 (Wed)

Time: 13:30 - 18:10 (Japan Standard Time)

Online meeting: Zoom link will be provided upon registration.



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Program

- 13:30 - 13:35 **Opening address and session chair**
Prof. Atsushi Fukuoka, ICAT
- 13:35 - 14:00 **Redox-driven reversible structural evolution of atomic Ag catalysts for lean de-NO_x**
Prof. Kenichi Shimizu, Director, ICAT
- 14:00 - 14:25 **DFT and ML based computational studies of nanoclusters for important catalytic reactions**
Prof. Biswarup Pathak, HOD Chemistry, IIT Indore
- 14:25 - 14:45 **Theoretical study on C-H activation with heterogeneous catalysts**
Prof. Jun-ya Hasegawa, ICAT
- 14:45 - 14:55 **Break (10 min)**
Session Chair: Prof. Sanjay K. Singh
- 14:55 - 15:15 **Group 13 elements in catalysis**
Dr. Dipak K. Roy, IIT Indore
- 15:15 - 15:35 **Chiral organic ion-pair catalysis for controlling radical ions**
Prof. Daisuke Uruguchi, ICAT
- 15:35 - 15:55 **Photocatalytic hydrosilylation of activated alkenes**
Dr. S. Selvakumar, IIT Indore
- 15:55 - 16:15 **Carbon dioxide hydrogenation over mixed-oxide catalysts**
Dr. Abhijit Shrotri, ICAT
- 16:15 - 17:00 **Lunch Break in India (45 min)**
Session chair: Dr. Abhijit Shrotri
- 17:00 - 17:20 **Catalysts for biomass transformation and H₂ production**
Prof. Sanjay K. Singh, IIT Indore
- 17:20 - 17:40 **Protection strategy for selective conversion of biomass-derived furanics to platform molecules**
Prof. Kiyotaka Nakajima, ICAT
- 17:40 - 18:00 **Tribromide catalysis in dearomatisation**
Dr. Debayan Sarkar, IIT Indore
- 18:00 - 18:10 **Closing address + Photo**
Dr. Abhijit Shrotri + Prof. Sanjay K. Singh

