

E-Meeting On Advanced Catalysis (Adcat-2021)

MARCH 11-12, 2021 | 11:00 GMT

Coalesce Research Group
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Greenville, SC 29607, USA

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E-Meeting On Advanced Catalysis (Adcat-2021)

Day 1 - March 11, 2021

11:00 - 11:10 Introduction

Oral Presentations

11:10 - 11:40 CalAlSiI™ advancements in reticular chemistry for next generation ceramics
Leon Burgess-Dean, CalAlSiI™, Australia

11:40 - 12:10 Ultrasmall synergistic nanocluster catalyst for CO₂ Conversion
Jiasheng Wang, Dalian University of Technology, China

12:10 - 12:40 Study of nanoparticle size effect in nitrate reduction in aqueous phase by using Pt nanoparticles supported on silica
Riitta L. Keiski, University of Oulu, Finland

12:40 - 13:10 Role of catalyst in performance of combustion-Type MEMS gas sensor
Sara Stolyarova, Technion-Israel Institute of Technology, Israel

Lunch (13:10 - 13:40)

13:40 - 14:10 Ge As - A new dopant to moderate CO poisoning in small-sized Pt nanoclusters
Andoni Ugartemendia, University of the Basque Country, Spain

14:10 - 14:40 Photocatalysis based on porous carbons and carbon/semiconductors: Challenges on evaluating the optical band gap and catalytic performance
Conchi O. Ania, CEMHTI, CNRS, France

14:40 - 15:10 A photocatalytic route to click reaction: Synthesis of 1,2,3-triazoles of biological importance
Subhendu Sekhar Bag, Indian Institute of Technology Guwahati, India

15:10 - 15:40 Laser interaction with molecular contaminants in water
J. R. Leis, INMA, Spain

End of Day 1 Sessions

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Day 2 - March 12, 2021

Oral Presentations

- 11:00 - 11:30 Stable physical castor oil-based gels obtained by microwave-assisted acetylation of lignin
Antonio M. Borrero-Lopez, International University of Andalucía, Spain
- 11:30 - 12:00 Mixed metallic oxide of Fe, Co and Mn applied to thermochemical solar energy
Yabibal Getahun, Harbin Institute of Technology, China
- 12:00 - 12:30 A CuO-based thermal catalyst for efficient CO₂-splitting
Boshu Jiang, Harbin Institute of Technology, China
- 12:30 - 13:00 Accelerating development of promising nanocatalyzers assisted by statistical machine learning
Giulia Lo Dico, IMDEA Materials Institute, Spain

Lunch (13:00 - 13:30)

- 13:30 - 14:00 Bimetallic/carbon dot nanocomposite as a photocatalyst for water purification: Short review
Gangaraju Gedda, Vishnu Institute of Technology, India
- 14:00 - 14:30 Synthesis of ZnO nanorod on different substrate using hydrothermal method and its possible application for gas sensing
Aniruddh Bahadur Yadav, VR Siddhartha Engineering College, India
- 14:30 - 15:00 Mercury adsorption and UV based detection
Pragati Shukla, Bhabha Atomic Research Centre, India

Poster Presentation

- PP1 Modification of the properties of a polyurethane by nanomodification with a layered silicate
Marin Laurentiu, ICECHIM, Romania

End of Day 2 Sessions

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