

Organised by

Department of Chemical Engineering
Indian Institute of Technology Delhi
New Delhi, India



26th International Symposium on
Chemical Reaction Engineering (ISCRE 26)
9th Asia-Pacific Chemical Reaction
Engineering Symposium (APCRE 9)
(5-8 December 2021)



भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi

Conference Summary

5-8 December 2021

Sponsors



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- Prof. Manjesh KUMAR
- Prof. Anil VERMA



Conference Summary

- Number of abstracts received: 1st call: 610, 2nd call: 130
- Abstracts were evaluated by 2-3 reviewers drawn from NOC & ISC and from worldwide subject experts
- Oral presentations:
 - Panel discussion: “**CRE & the ISCRE Symposia: Past, Present and Future**”
 - 98 oral talks in 4 parallel tracks (3 parallel tracks today)
 - 8 Plenary talks
 - 19 Keynote talks + 5 keynote talks in the session on “**The Future of Reaction Engineering: Industrial Perspectives**”
- Poster presentations: 120



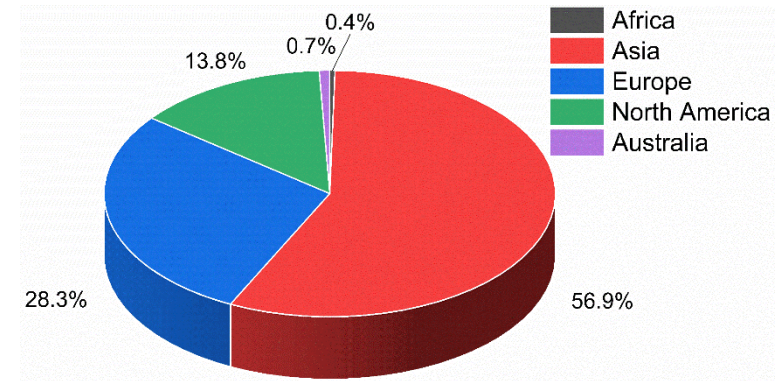
Technical Program (20 sessions)

- **Fundamentals**
 - (1) Kinetic & Reactor Modeling I
 - (2) Kinetic & Reactor Modeling II
 - (3) Multiphase CFD and Measurements
 - (4) CFD, Reactor Modeling and Analysis I
 - (5) CFD, Reactor Modeling and Analysis II
- **Catalysis and Catalytic Reactors**
 - (6) Catalysis I
 - (7) Catalysis II
 - (8) Transport Phenomena and Kinetic Modeling
 - (9) Modeling of Catalysts and Reactors
- **Process Intensification and Novel Reactors**
 - (10) Catalysis and Multiphase Flows in Microreactors
 - (11) Intensified Reactors
 - (12) Intensified Energy Generation Processes
 - (13) Intensified Processes
- **Clean and Sustainable Energy**
 - (14) Materials in Energy Applications
 - (15) Materials and Processes for Clean Energy
 - (16) Materials for Clean Energy
 - (17) Sustainable Fuels and Processes
- (18) Sustainable Process Development
- (19) Reaction Engineering in Materials Synthesis
- (20) The Future of Reaction Engineering: Industrial Perspectives

Insights, Innovations & Intensification

Conference Summary

- Oral & poster contributions from 23 countries
 - India: 113
 - USA: 36
 - China: 30
 - Germany: 20
 - Italy: 18
 -
- 300+ registered participants



Country-wise Participation



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Insights, Innovations & Intensification



Plenary Speakers (08)

Prof. Prof. J. B. Joshi

Prof. Jinghai Li

Prof. Kai-Olaf M. Hinrichsen

Prof. Enrico Tronconi

Prof. Klavs F. Jensen

Prof. Dionisios G. Vlachos

Prof. Pratim Biswas

Dr. Ajit Sapre

Keynote Speakers (19)

Prof. M. van Sint ANNALAND

Prof. G. EVANS

Prof. M. KAWASE

Dr. A. A. KULKARNI

Prof. A. B. PANDIT

Prof. B. SUBRAMANIAM

Prof. M. H. Al-Dahhan

Dr. F. AUGIER

Prof A. GAVRIILIDIS

Prof. S. KAWI

Prof. R. KUMAR

Prof. K. K. PANT

Prof. A. K. SURESH

Prof. G. DEO

Prof. W. H. GREEN

Prof. S. A. KHAN

Dr. A. LELE

Prof. SEIDEL-MORGENSTERN

Prof. Ning YANG

Panel Discussion: CRE & the ISCRE Symposia: Past, Present and Future

Prof. M. P. Dudukovic

Prof. M. M. Sharma

Prof. Andreas Seidel-Morgenstern

Prof. Michael P. Harold

The Future of Reaction Engineering: Industrial Perspectives

Dr. Yi Jiang, Corning Reactor Technologies

Dr. Kurt VandenBussche, Honeywell Aerospace (ex Honeywell-UOP)

Dr. R. R. Sonde, IIT Delhi (ex Thermax Limited)

Dr. Kai Rainer Ehrhardt, BASF, Ludwigshafen am Rhein

Dr. Ajan Ray, CSIR-IIP Dehradun

Insights, Innovations & Intensification



Session Chairs (42)

- Dr. Tim Watling
- Prof. Arnab Atta
- Prof. Suttichai Assabumrungrat
- Prof. Rajesh Kumar Upadhyay
- Prof. Geoffrey M. Evans
- Prof. Gargi Das
- Prof. Sreedevi Upadhyayula
- Prof. Muthanna H. Al-Dahhan
- Prof. Enrico Tronconi
- Prof. Martin van Sint Annaland
- Prof. S. Pushpavanam
- Dr. Dan Hickman
- Dr. Ram Ratnakar
- Prof. Parag Gogate
- Dr. Sreekanth Pannala
- Prof. M. P. Harold
- Dr. Ashish Lele
- Prof. Ning Yang
- Dr Frédéric Augier
- Prof. Sanjay Mahajani
- Prof. Yong Luo
- Prof. Saif Khan
- Dr. Avinash Khopkar
- Prof. Divesh Bhatia
- Prof. Goutam Deo
- Prof. A. K. Suresh
- Prof. Marc-Olivier Coppens
- Dr. Markus Schubert



Session Chairs (42)

- Prof. Linda Broadbelt
- Prof. M. Ali Haider
- Dr. Amol Kulkarni
- Prof. K. K. Pant
- Prof. Preeti Aghalayam
- Prof. Kai-Olaf Hinrichsen
- Prof. Ashwin Patwardhan
- Prof. Gianpiero Groppi
- Prof. Rene Bos
- Dr. Pramod Kumbhar
- Prof. Nishith Verma
- Prof. Rajnish Kumar
- Prof. Bala Subramaniam
- Prof. Sankaran Sundaresan



ISCRE 26 & APCRE 9 Special issues

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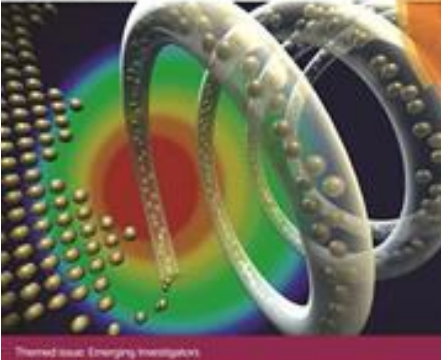
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Thank you!

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