# International Symposium on Materials Informatics 2023
# -Multidisciplinary approach to olefin polymerization catalysis-

Call: Catalytic olefin polymerization is one of the most industrialized and the most multidisciplinary fields of study in materials science. We deliver the state of the art of this important field, with the emphasis on multidisciplinary approaches, especially data science.

Date: Dec. 8, 2023 (13:00-20:00 JPT)
Venue: Shared Open Innovation Room, JAIST Innovation Plaza 2F, Japan Advanced Institute of Science and Technology (JAIST)
Registration/Contact: Toshiaki Taniike (taniike@jaist.ac.jp) Japan Advanced Institute of Science and Technology (JAIST)

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| 13:00-13:10 | Opening | T. Taniike (JAIST) |
| 13:10-14:10 | Integrated experimental and computational studies in polyolefin science and technology at the Federico II University of Naples (Italy): an account of the latest results | V. Busico (UNINA) |
| 14:10-14:35 | Unleashing efficiency in heterogeneous olefin polymerization research through experimental design | P. Chammingkwan (JAIST) |
| 14:35-15:00 | Realizing multifaceted roles of functional polymers from polyolefin catalysts development to electrochemical energy applications | A. Thakur (CSIR-NEIST) |
| 15:00-15:20 | Break | |
| 15:20-16:10 | Data-driven materials search combined with materials simulations | K. Hongo (JAIST) |
| 16:10-16:45 | $MgCl_2$-supported Ziegler-Natta Catalysts: "And yet it moves" | G. Antinucci (UNINA) |
| 16:15-17:10 | Computational and data-driven approaches in catalyst design | G. Takasao (KAUST) / J. Silveira (JAIST) |
| 17:10-17:35 | X-ray total scattering on the molecular structure of methylaluminoxane | T. Wada (JAIST) |
| 17:35-17:55 | Break | |
| 18:00-19:55 | Open discussion | |
| 19:55-20:00 | Closing | K. Hongo (JAIST) |