

Модификация поверхности

- Методы модифицирования поверхности
- Структура и свойства покрытий полифункционального назначения
- Технологии поверхностной обработки материалов

<https://portal.tpu.ru/science/konf/mt>

**7th Edition of International Conference on Catalysis,
Chemical Engineering and Technology**



International Conference on Catalysis, Chemical Engineering and Technology during October 28-29, 2020 in Tokyo, Japan and mainly focus on the theme “*New strategic avenue to foster the advanced techniques in Catalysis and Chemical Engineering.*”

CCT 2020 aims to bring together the renowned researchers, scientists, and scholars to exchange and share their experiences on all aspects of Catalysis and Chemical Engineering. It is also an immense platform to present and discuss the utmost advances, concerns and drifts as well as pragmatic challenges and solutions adopted in the field.

Scope: The main scope of the conference is to act as an international forum for the dissemination of knowledge, advancing the theoretical and practical considerations of this subject area. Abstracts will be welcomed, specially those which bring new insights and observations from the applications of Catalysis, Chemical Engineering and Technology.

Scientific Sessions

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| <ul style="list-style-type: none"> • Chemical Engineering • Synthetic Chemistry Techniques • Catalysis for Renewable Sources • Green Chemistry • Heterogeneous catalysis • Environmental Catalysis • Fluid Mechanics • Catalysis and Zeolites | <ul style="list-style-type: none"> • Advances in Catalysis and Chemical Engineering • Industrial Catalysis and Process Engineering • Catalytic Materials • Petrochemical Engineering • Photochemistry, Photobiology and Electrochemistry • Biocatalysis and Biotransformation • Homogeneous catalysis, Molecular Catalysis • Reaction Chemistry and Engineering |
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<https://catalysis-conferences.com/>



After tremendous endeavors, Nanophotonics has already departed from its infancy and stepped into an exciting era, where research ideas and theoretical concepts are being vigorously transferred into functional devices and real-life applications. The fifth edition of the NANOP conference identifies the successful development of Functional Nanophotonics over the last decades as well as outlines upcoming research directions and topics, offering a vibrant platform for scientists to discuss, share, and fantasize.

Topics

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| <ul style="list-style-type: none"> • Photonic & plasmonic nanomaterials • Optics and transport on 2D materials • Metamaterials and metasurfaces • All dielectric nanophotonics • NanoAntennas • Strong light-matter interactions at the nanoscale • Quantum nano-optics • Nano-Optomechanics • Nano-optical trapping | <ul style="list-style-type: none"> • Quantum dots and colour centres • Enhanced spectroscopies • Optical sensing • Bottom-up approach enabled nanophotonics • Nanoscale photothermal effects • Hot Electrons • Nonlinear & ultrafast nano-optics • Advanced imaging • Topological photonics & Non-reciprocal nano-optic |
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