

CO<sub>2</sub> using either renewable electricity or by directly harnessing solar energy. This three-day, single-session conference will explore research progress towards solar fuels production through a series of talks by leading international scientists. We aim to foster an atmosphere of open discussion with ample scope for cross-fertilization of ideas between researchers working on photocatalytic, electrocatalytic, photoelectrocatalytic, and biohybrid routes to renewable fuel production. A strong focus for the conference will be the relationship between fundamental science and application, emphasizing the future of the solar fuels field, the challenges that it faces and the development of viable technologies.

On-site registration will begin at around noon on October 11. The meeting will start at 9 am on October 12 and will conclude at around 5 pm on October 14.

### Scientific Sessions

Topics will include:

- Session 1: New systems for water splitting
- Session 2: New systems for CO<sub>2</sub> reduction
- Session 3: Theory and mechanism
- Session 4: Characterisation and spectroscopy
- Session 5: Towards larger-scale systems

<https://www.nature.com/natureconferences/solarfuels19/index.html>



### MMIE 2019 | Beijing, China

**The growing importance of Manufacturing Engineering.** We live in an age of rapid innovation, complex technology and sustainability. Naturally, the job of a Manufacturing Engineer has become even more important.

*2019 2nd International Conference on Mechanical Manufacturing and Industrial Engineering (MMIE 2019)* will be held in Beijing, China during December 14-16, 2019. The aim as well as objective of MMIE 2019 is to present the latest research and results of scientists related to Mechanical Manufacturing and Industrial Engineering topics.

MMIE provides a forum for accessing to the most up-to-date and authoritative knowledge from both industrial and academic worlds, sharing best practice in the field of Mechanical Manufacturing and Industrial Engineering. The meeting will provide an opportunity to highlight recent developments and to identify emerging and future areas of growth in this exciting field.

### Proceedings

All submissions will be peer reviewed, and all the accepted papers will be published in the Conference Proceedings, Indexed by SCOPUS, EiCompendex (CPX).

### Call for Papers

The MMIE 2019 is the premier interdisciplinary platform for the presentation of new advances and research results in the fields of Mechanical Manufacturing and Industrial Engineering. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

#### Mechanical and Manufacturing Engineering

- |  |                           |
|--|---------------------------|
| • Mechanical and Materials Engineering | • Energy Management       |
| • Aerospace Systems and Technology     | • Finite element analysis |
| • Applied Mechanics and Design         | • Fluid Dynamics          |
| • Biomechanics                         | • Fuels and Combustion    |

- Computational Fluid Dynamics
- Aerodynamics
- Alternative energy
- Automation
- Composite Materials
- Computeraided engineering design
- Concurrent Engineering
- Designand Manufacturing
- Energy conversion system
- Energyand Thermofluids
- Green Manufacturing
- Heat and Mass Transfer
- Instrumentation and Control
- Machinery Dynamics
- Micro- and Nano Manufacturing
- Renewable and Non-Renewable Energies
- Solidand Fracture Mechanics
- Solid Mechanics
- Tribology and Reverse Engineering

#### Industrial Engineering

- Advanced Product Design and Development
- Automation Control
- Control Engineering
- Decision Analysis
- Decision Analysis/Decision Theory
- Dynamical Control Systems
- Industrial Design
- Human Factors Engineering
- Information Processing and Engineering
- Intelligent Systems
- Manufacturing Systems
- Aerospace Systems and Technology
- Renewable and Non-Renewable Energies
- CAD/CAM/CAE
- Industrial Tribology
- Instrumentation and Control
- Operations Research
- Machine Learning

<http://www.mmie.org/>



#### Introduction to Nano S&T-2019

Following on the successful organizing of Nano S&T in the past 8 years, the organizing committee is pleased to announce that the Nano S&T-2019 will be held in beautiful Suzhou, China from October 20–22, 2019. With the theme "Small World, Big Thinking, Big Pattern, and Great Development", it aims to provide a platform for researchers and decision makers in nano science and technology. The organizing committee of Nano S&T-2019 devotes itself to supply the most cutting-edge technology information to you!

#### Highlights

- Designing 120+ Hot Tracks of Scientific Forums, Dialogs and Activities
- Shooting for 500+ Oral Presentations in Whole Spectrum of Nano Fields
- Gathering 100+ Exhibitors and Posters in Cutting-edge Technologies and Novel Bioproducts
- Bringing in 20+ Professional Media Supporters
- Experiencing a Cultural Atmosphere of Suzhou

#### Dear Colleagues and Friends,

On behalf of the Organizing Committee, it is my great pleasure to welcome you to BIT's 9<sup>th</sup> Annual World Congress of Nano Science & Technology (Nano S&T-2019), which will be held in Suzhou, China during October 20–22, 2019.

It is intended to provide a platform for professionals around the world to exchange state-of-the-art research and development and identify research needs and opportunities in the field of nanoscience and nanotechnology.

Nano S&T-2019 covers a wide range of topics related to nano-manufacturing, advanced nanomaterials, nano-electronics, nanomedicine and nanobiotechnology, etc. The program highlights some recent breakthrough stories and successes in this particular field. Over the conference period, you will have opportunities to share information and the best practices on from current research to commercial implementation of new technologies. At the same time, we would explore further communication and collaboration through social activities during the conference.

