



# CALL FOR PAPERS

THE 4TH GLOBAL CONGRESS ON MICROWAVE ENERGY APPLICATIONS

August 17 - 20, 2022 | Chengdu, China



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The Global Congress on Microwave Energy Applications (GCMEA) is the "Olympic Event" for worldwide researchers and engineers working on the relevant fields of microwave/RF power applications. It happens every 4 years in a different continent. Sichuan University together with the China Association of Microwave Power Applications (CAMPA) is pleased to announce that the 4th GCMEA will be kindly hosted in Chengdu, Sichuan, China during August 17-20, 2022.

Chengdu is the capital city of Sichuan Province, with a history of more than two thousand years and many cultural relics. It is usually associated with many tags, such as "the homeland of pandas", "city of gastronomy" and "tourist resort". Being an international city, people can take a comfortable and nonstop travel to Chengdu from all around the world. We are excited to invite you to Chengdu for this global congress.

The scope of the Conference is concentrated on microwave energy applications, and includes:

#### Measurement and Modeling

- \* Dielectric and magnetic properties measurement
- \* EM modeling and numerical techniques

#### Microwave/RF applications and interaction mechanism

- \* Microwave/RF chemistry & metallurgy
- \* Microwave/RF chemical engineering
- \* Microwave/RF assisted materials science and engineering
- \* Microwave/RF assisted food science and engineering
- \* Interaction mechanism of Microwave /RF and substances
- \* Microwave/RF applications in environment engineering
- \* Microwave/RF applications in medicine and biology
- \* Microwave/RF processing design and optimization

#### Microwave/RF devices

- \* Design of microwave/RF applicators and components
- \* Microwave/RF sources and power supply

#### Microwave/RF plasma

- \* Microwave/RF plasma

#### Microwave wireless power transmission

- \* Microwave wireless power transmission

#### Scale-up for microwave industrial applications

- \* Microwave chemistry devices and working stations
- \* Microwave/RF industrial equipment and scale-up
- \* Industrial applications of microwave /RF energy
- \* Radiation safety and standards

#### Other relevant topics

- \* Other relevant topics

## PLENARY SPEAKERS

- Prof. Juming Tang, Washington State University, USA
- Prof. Satoshi Horikoshi, Sophia University, Japan
- Prof. Paolo Veronesi, University of Modena and Reggio Emilia, Italy
- Researcher Biao Jiang, Shanghai Advanced Research Institute, Chinese Academy of Sciences, China
- Prof. Jiayi Xu, Beijing University of Chemical Technology, China
- Prof. Ray Boxman, Tel Aviv University, Israel
- Prof. Xin Gao, Tianjin University, China
- Dr. Graham Brodie, Dookie Campus, The University of Melbourne, Australia
- Dr. Guido Link, Karlsruhe Institute of Technology, Germany
- Dr. Tomohiko Mitani, Kyoto University, Japan
- Dr. Shuntaro Tsubaki, Kyushu University, Japan

## COMMITTEE

#### General Chair

- Prof. Kama Huang, Sichuan University, China

#### General Co-Chair

- Prof. Gang Wang, The 12th Research Institute of China Electronics Technology Group Corporation, China
- Prof. Haiyong Wang, The 50th Research Institute of China Electronics Technology Group Corporation, China
- Prof. Baoqing Zeng, University of Electronic Science and Technology of China, China

#### Technical Program Committee Chair

- Prof. Junwu Tao, ENSEEIHT-INP University of Toulouse, France

## IMPORTANT DATES

Abstract Submission Deadline	Acceptance Notification	Conference Date
<b>July 15, 2022</b>	<b>July 30, 2022</b>	<b>August 17-20, 2022</b>

## SUBMISSION

1. Abstract should be around 200-300 words. Please prepare it as per the template [Click to download](#)
2. Online submission: <https://easychair.org/conferences/?conf=4gcmea2022>

## PUBLICATION NOTES

Authors with excellent abstract/reports are recommended to submit full papers to Chemical Engineering & Processing-Process Intensification (CEP:PI) or Journal of Microwave Power and Electromagnetic Energy (JMPEE) to publish full papers from the conference reports. Both the journals are collected by SCI. The manuscripts will go through peer review and meet the requirements of the recommended journal.



CAMPA CHINA ASSOCIATION OF  
MICROWAVE POWER APPLICATIONS  
中国微波能应用协会



INTERNATIONAL  
MICROWAVE POWER  
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MICROWAVE WORKING GROUP




四川大学  
SICHUAN UNIVERSITY

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