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NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI, TAMIL NADU, INDIA

ABOUT THE CONFERENCE

The International Conference on Recent Trends in Metallurgy, Materials Science and Manufacturing (IMME19) is organized by the Department of Metallurgical and Materials Engineering, National Institute of Technology Tiruchirappalli. This is the the second edition of the biennial IMME conference series. The IMME17 was successfully conducted during 10-12 March 2017 with more than 400 paper presentations and all the accepted papers were published in refereed journals. The IMME19 also expects cheerful participation of more than 400 delegates from both India and abroad, and all the accepted papers will be published in refereed journals.

The objective of the conference is to bring experts and budding researchers together on a common platform to discuss and exchange ideas on recent developments, f ndings and progresses in wide areas related to metallurgy, materials science, and manufacturing. This will provide opportunities to the new researchers to explore novel ideas and cutting edge techniques in their research through interaction with the experts in the respective f elds. It also aims at impart in sound knowledge and expertise in selected research f elds through key note lectures delivered by eminent speakers from India and abroad.

ABOUT THE DEPARTMENT

Established in the year 1967, the Department of Metallurgical and Materials Engineering has been one of the premier centers of excellence in the f eld of Metallurgical and Materials Engineering. It of ers outstanding technical education in B.Tech. (Metallurgical and Materials Engineering), three M.Tech. programmes with specialisations in Materials Science & Engineering, Welding Engineering and Industrial Metallurgy, MS (by research) and Ph.D. Programmes. The department is equipped with state of-the-art laboratories and tools to foster research and practical expertise in areas related to metallurgical and materials engineering. Eminent faculty members of this department have made tremendous contributions in imparting knowledge to the young minds for the betterment of the society and nation. Current research activities of the department comprise both in traditional metallurgy related areas such as physical, mechanical and extractive metallurgy, but also in modern areas such as biomaterials, ceramics, polymers, high entropy alloys, thermoelectric materials, computational materials science and various other structural and functional materials.

ABOUT NIT TIRUCHIRAPPALLI

National Institute of Technology (formerly known as Regional Engineering College), Tiruchirappalli (NITT) is one of the premier educational institutions in India creating scientists, engineers, and technocrats to cater to the country's growing need for research and development (R&D) and technological manpower. It of ers 10 undergraduate and 27 postgraduate programs in disciplines spanning engineering, science, architecture, and management. It has been declared as an Institute of National Importance by the Government of India under the NIT Act. According to the ranking (NIRF) of the Indian Universities 2019 by the Ministry of Human Resource Development, Government of India, NIT Trichy has been ranked as the 10th best Institute in engineering category and 1st among the NITs. NITT is the only NIT listed in the Top 250 QS Asia University Rankings 2018. The institute has signed MoUs with various industries and institutions both in India and abroad to promote collaborative research and consultancy. It has been awarded FICCI University of the Year 2017, CII-AICTE best industry linked institute, FICCI excellence award for social responsibility (2017), FICCI excellence award for Employability (2016).

ABOUT TIRUCHIRAPPALLI CITY

The historical city of Tiruchirappalli in Tamil Nadu, India is also known as Tiruchi or Trichy, situated on the banks of the river Cauvery and is the fourth largest city in Tamil Nadu. Trichy is famous for its rich cultural and wonderful architectural heritage and the town represents a f ne blend of tradition and modernity. It is also famous for artif cial diamonds, cigars, hand loom cloth, and glass bangles. Trichy has several ancient and holy temples, mosque, basilica, and churches apart from a large number of tourist attractions. The rock fort is a well-known landmark of the city. Located at a distance of 15 km from Tiruchirapalli, 'Kallanai' was originally constructed across river Cauvery by the Chola king Karikalan around the 2nd Century AD and is considered to be one of the oldest water-diversion or water-regulator structures in the world which is still in use.

Historical and sacred destinations like Srirangam Temple, Tanjore Big Temple, Madurai Meenakshi Temple, Rameshwaram Temple, Vailankanni Basilica, Poondi Matha Basilica, and Nagore Dargah are not only the most important pilgrimage centers but also speak the cultural heritage of ancient Tamil Nadu.

The popular hill stations such as Ooty, Kodaikanal and Yercaud, and Courtralam waterfalls are also nearby.

TOPICS (not limited to)

Extractive / process metallurgy
Mechanical behavior of materials
Phase transformations
Fatigue & fracture mechanics
Severe plastic deformation
Nanomaterials
Ultra-f ne grained materials
Ceramics
High entropy alloys
Surface engineering
Wear & Tribology
Functional materials
Metal joining
Metal forming
Composite materials
Biomaterials
Materials characterization
Nondestructive testing
Corrosion
Heat treatment
Metal casting
Powder metallurgy
Synthesis of materials
High temperature materials
Process modeling and simulation
Micromachining
Metal cutting
Unconventional manufacturing
Additive manufacturing / Functionally Gradient materials

AWARDS

Awards will be given for the best technical paper and for the best oral presentation / best poster in each session.

CALL FOR PAPERS

The authors are requested to submit full length research/technical papers (no literature based papers) related to the conference topics. The full paper submission guidelines will be updated in website. After screening by the reviewers, the acceptance of the papers will be communicated to the participants by email.

PUBLICATIONS

All the accepted papers will be published in popular SCOPUS and/or SCIE indexed journals.

IMPORTANT DATES

Paper Submission Starts	July 1, 2019
Full paper submission Deadline	August 20, 2019
Acceptance of full paper	September 01, 2019
Registration dead line	September 10, 2019

(Visit http://imme19.nitt.edu for updates)

REGISTRATION AND FEE

The participants should register by sending duly f lled in registration form along with registration fee to the organizing secretary on or before ***September 10, 2019***. The registration fee payment details are provided in the conference website.

CATEGORY	PARTICIPANT FROM INDIA	PARTICIPANT FROM ABROAD
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Industry participants	INR 10000	USD 200
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Spouse #	INR 3000	USD 100