

Under the aegis of the

ROMANIAN MINISTRY OF EDUCATION

ROMANIAN MINISTRY OF RESEARCH AND INNOVATION

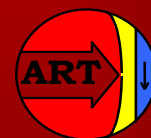
ROTRIB'19

The 14th International Conference on Tribology
September 19-21, 2019 – Cluj Napoca, ROMANIA

organized by



TECHNICAL UNIVERSITY
OF CLUJ-NAPOCA



Romanian Tribology
Association

Aims

ROTRIB'19 is the 14th Conference organized in Romania in a series of international scientific events on TRIBOLOGY. The general objective of this conference is to bring scientific contributions to fundamental and applied Tribology. The event will provide an interdisciplinary forum for discussions & networking and will also aim to initiate collaborations among specialists. These collaborations will be focused on materials in Tribology and their real life applications in product design and reliability. Another key goal of this conference is the exchange of ideas and theories on new research methods and future trends. This will be achieved by bringing together specialists from various industries and academic backgrounds and leading researchers from diverse environments and scientific fields.

Topics

1. Friction and Wear
2. Contact Mechanics
3. Biotribology, tribology in medicine
4. Micro and nanotribology
5. Lubricants
6. Lubrication
7. Tribochemistry and tribocorrosion
8. Tribology of machine elements
9. Tribology in manufacturing processes
10. Surface metrology, surface engineering and coatings
11. Emerging technologies and industrial tribology
12. Condition monitoring



Important Dates

Online registration and Abstract submission (deadline)	April 14, 2019
Notifications of abstract acceptance	April 21, 2019
Manuscript (full paper) online submission	June 23, 2019
Notifications of the review process results	July 15, 2019
Online submission of final form (ready for publication) of papers	July 22, 2019
Notifications of paper acceptance	July 26, 2019
Online Registration and Early Bird Fee Payment (deadline)	July 15, 2019

Information for Authors

An abstract of 300 words (approx. 2000 characters), in English, containing the paper title, the authors names and their affiliation, the keywords and a short presentation of the paper should be submitted online. Abstracts should clearly state the purpose, results and conclusion of the work, which will be presented in the full-length paper. Following the peer-review of abstracts, successful authors will be invited to submit a full paper to the conference and to present it.

After the peer-reviewing process, the organizers intend to publish the Proceedings of the Conference in the IOP Conference Series: Materials Science and Engineering (<http://iopscience.iop.org/1757-899X>). Papers (in English) reporting original, unpublished research should be strictly between 4 and 6 pages in length. Only contributions presented at the conference are eligible for publication in the Proceedings. At least one of the (co-) authors of each paper must be a registered participant to the conference and must present the paper.

Fees

Category	Early registration (before August 20)	Late registration
Presenting Author (participation & publication fee)	€ 150	€ 180
Participant (non-presenter) (participation fee)	€ 100	€ 130
Accompanying Person	€ 60	€ 90

Discounts

- Members of the Romanian Tribology Association (ART) can benefit from a € 20 discount for all categories of fees.
- PhD students (relevant proof required) can benefit from a € 30 discount for all categories of fees (€ 50, if member of ART).

Committees

Chair of Conference:

Prof. Marius PUSTAN

Honorary Committee:

Prof. Napoleon ANTONESCU
Prof. Spiridon CRETU
Prof. Mihai GAFITANU

Prof. Mircea PASCOVICI
Prof. Liviu PALAGHIAN
Prof. Dumitru POP

Scientific Committee

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Prof. Corina BIRLEANU	RO	Dr. Raluca MULLER	RO
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Prof. Mara KANDEVA	BG	Prof. Andrei TUDOR	RO
Prof. M. Baki KARAMIS	TR	Prof. Aleksandar VENCL	RS

Organizing Committee

Chair: Prof. Corina BIRLEANU

Members: Prof. Traian CICONE
Lecturer Stefan CRACIUN
Assist. Horea CRISAN
Lecturer Felicia CRISTEA
Prof. Simion HARAGAS

Drd. Ionut MARIES
Lecturer Violeta MERIE
Prof. Marius PUSTAN
Prof. Minodora RIPA
Lecturer Florina SERDEAN

Location and Venue



Located in the heart of Transylvania, in a picturesque area, Cluj-Napoca has a special charm, given by the 2000 years history, the geographical location and the people, because here, time flows differently, and the people take the time to say hello to each other, to walk between the boomed trees in the Botanical Garden, to watch the reflection of the sun beams in the twin buildings on the Mirror Street, to smile and to invite you to discover the local culture and traditions.

Ancient culture and civilization center, Cluj is known from Roman times, when it was named Napoca and became one of the main settlements of the Daco-Roman Province. Its importance was maintained in the medieval period when Cluj became part of the seven cities that gave the German name of Transylvania: Siebenburgen.

Today, Cluj-Napoca is the country's second largest city, located in the center of Cluj County and covers an area of about 180 km² on Somesul Mic and the Nadas Valley, with extensions on the secondary Valleys of Popesti, Chintau, Borhanci and Popii. In the south, it occupies the space of the upper terrace on the north side of Feleacu Hill. Surrounded on three sides by hills with heights between 500 and 700 meters, it has the appearance of a real fortress.

The Technical University of Cluj-Napoca, an "Advanced Research and Education University" as awarded with the Order of the Ministry of National Education no 5262/September 5th 2011, is today a tertiary educational institution having both tradition and national and international recognition. The educational offer, aligned to the Bologna system, includes bachelor's, master's and doctoral programs, as well as continuous training programs. The fields of study have a wide range, from engineering to architecture, fundamental sciences, socio-human sciences and arts.

Day trips to Valea Fizesului – "the Unknown Delta of Transylvania", Banffy Castle – "the Versailles of Transylvania" and Nicula Monastery will be organized on Sept. 21, 2019.

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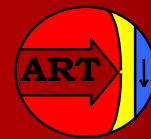
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Faculty of Machine Building



MiNaS
Micro-Nano Systems Laboratory