

**EUROPEAN
COLLOID
AND INTERFACE
SOCIETY**

**Newsletter 2
June 2022**



Message from the Editor

Dear colleagues, ECIS members

In this second ever ECIS newsletter and second in 2022 we continue our efforts to keep in closer touch with our members. Although the important announcements for this year's Overbeek medal and Solvay prize are forthcoming, we felt it necessary to contact you again to remind you of the important conferences sponsored by our Society. The 18th student conference in Szeged, Hungary, is scheduled to take place in a month from now, and we encourage young researchers to consider registering in this exciting forum for young European scientists. The 36th ECIS conference in Crete is at the point of finalizing its program. From the number of abstracts received it appears that the conference has generated a lot of interest and it promises to be an excellent meeting place for the discipline of Colloid and Interface Science. The 17th IACIS conference (<https://www.iacis2022.org/>) is also scheduled in a month and will be held in Brisbane, Australia. Other important conferences related to Colloids and Interfaces are being organized this year and briefly discussed in this newsletter.

In this issue:

- ◆ **Message from the Editor (E. Leontidis)**
- ◆ **36th ECIS conference, Chania, Greece, 4-9/9/2022**
- ◆ **18th student conference, Szeged, Hungary, 26-30/6/2022**
- ◆ **Conferences related to Colloids and Interfaces in 2022**
- ◆ **Substantia: An open access free academic journal in Chemistry**
- ◆ **Post-doctoral vacancies in the Leibniz Institut**
- ◆ **Final notes**

**36th European Colloid & Interface
Society Conference**

4-9 September 2022 Chania, Crete, Greece

www.ecis2022.org

Message from the Editor



In this newsletter we present to our members the open access journal *Substantia*. This unique journal, originally devoted to the history of Chemistry, but also discussing important aspects of current Chemistry, is an effort that started in the Department of Chemistry of the University of Florence, and is run strictly as a non-profit scientific journal. *Substantia* is a firm sponsor of ECIS conferences. We believe that the journal provides a wonderful platform for explaining the evolution of important ideas in Chemistry, and also for discussing new ideas, and we urge our members to contribute to the journal.

We are also opening to our community yet another possibility, that of advertising open PhD and post-doctoral positions. Although we realize that the newsletter may not be the perfect vehicle for networking and job advertising, because of its relatively low frequency of publication, it still provides a useful alternative option, especially if there is no need to fill a position immediately. We offer this possibility to our members and will be happy to assist them in this small way.

Before closing this editorial, we must repeat that we are looking forward to publishing short research presentations from young scientists, who are our members. If you wish to have yet another avenue of making your work known to this most closely related scientific community, this is a proper and welcoming forum!

E. Leontidis

(Editor of the ECIS newsletter)

36th ECIS conference.
Chania, Greece,
4-9/9/2022

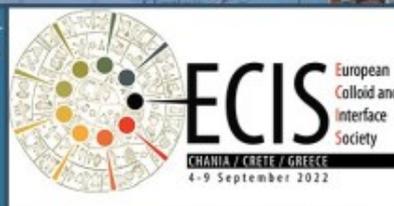


Dear friends and colleagues, members of ECIS. We hope to see all of you in the next ECIS conference in Chania, Crete (Greece). Our colleagues who organize the 2022 conference are working hard to produce a safe and excellent conference with physical presence in a beautiful venue. Check the details in the 1st circular, reproduced below. See you all in Crete in September!

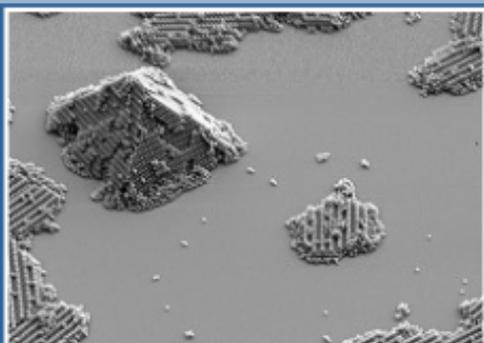
36th European Colloid & Interface Society Conference

4-9 September 2022 Chania, Crete, Greece

www.ecis2022.org



36th ECIS conference.
Chania, Greece,
4-9/9/2022



Important Dates

- Abstract submission
deadline: 4/4/2022
- Notice of acceptance:
4/5/2022
- Early bird registration:
4/5-10/6/2022
- Final program announce-
ment: 30/6/2022

Short Course

*“Advanced Characterization
and Modelling techniques
for Colloids”*

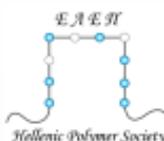
Dates: 3-4 September 2022

Location: FORTH at Heraklion
(lab access)

Tutors: R. Zia (Stanford),
R. Cerbino (Vienna), S.U. Egelhaaf
(Dusseldorf), J. Vermant (ETH),
V. Harmandaris (Crete)

Conference Organizers

Co-organized by: the Hellenic Polymer Society, the University of Crete and the Foundation for Research and Technology-Hellas



Welcome Note

Dear colleagues,

It is our great pleasure to invite you to the 36th Conference of the European Colloid and Interface Society (ECIS), that will take place from 4th-9th of September 2022 in Chania, on the island of Crete, Greece.

ECIS 2022 will be organized by the Hellenic Polymer Society, under the auspices of the ECIS, and aspires to bring together participants working in the interdisciplinary field of Colloid and Interface Science, with a broad background ranging from chemistry and physics to biology and engineering.

*The Scientific Program will include plenary and keynote invited lectures, as well as oral and poster contributed presentations. Travelling permitted, we aim at four parallel in person sessions, with partial online coverage. The venue is the Minoa Palace, a 5-star hotel and conference center, located at the **Platanias resort area, a few kilometers outside the city of Chania**. In addition, a short course on “Advanced Characterization and Modelling techniques for Colloids” is scheduled for the weekend of 3-4 September at the premises of FORTH at Heraklion.*

Complementing the scientific program, a diverse social program shall expose the participants to the history, culture and magnificent nature of mountains and beaches of Crete.

We look forward to welcoming you to Crete in 2022.

The Local Organizing Committee

Conference Venue



ECIS2022 will be hosted in **Minoa Palace Resort Hotel**, a luxury 5* beach-side hotel located at the cosmopolitan area of Platanias, 12km west of the picturesque town of Chania and 30min drive from Chania International Airport.

Plenary



Markus Antonietti
(Max Planck Institute, Germany)
Colloidal chemistry



John F. Brady
(Caltech, USA)
Theory and simulations of colloidal suspensions, rheology and active colloids



Gijssje Koenderink
(TU Delft, The Netherlands)
Material properties of cells and tissues



Christos Likos
(University of Vienna, Austria)
Theory of soft particles, phase behavior-interactions



Conference Sessions

- ◇ Polymers, Polyelectrolytes, Gels and Liquid Crystals
- ◇ Design and Synthesis of colloidal systems and nanoparticles
- ◇ Colloidal Dispersions, Colloidal Stability and Surface Forces
- ◇ Theory and Multi-scale Modeling of Colloids and Interfaces
- ◇ Self-Assembly and Supramolecular Structures
- ◇ Colloidal systems in External Fields
- ◇ Wetting Phenomena, Responsive Colloids and Surfaces
- ◇ Active and Bioinspired Colloidal systems
- ◇ Colloids at Interfaces, Membranes and Biointerfaces, Emulsions and Foams
- ◇ Colloids in Biomaterials and Biomedical applications
- ◇ Advanced colloid science for applications and products
- ◇ Composite Materials and Nanostructures

Special Sessions

- ◇ EU - China Symposium
Organizers: Zhenghe Xu (Southern University of Science and Technology, Shenzhen, China), Jingcheng Hao (Shandong University, China), Jianjun Wang (Chinese Academy of Sciences, Beijing, China), Hans-Jürgen Butt (Max-Planck-Institute for Polymer Research, Mainz, Germany)
- ◇ Satellite Session
"Surface interactions, tribology and the rate-dependent rheology of colloidal dispersions"
Organizers: Wilson Poon (The University of Edinburgh, UK), Emanuela del Gado (Georgetown University, USA), Jeff Morris (CUNY, USA), Nic Spencer (ETH Zurich, Switzerland) and Annie Colin (ESPCI Paris, France)

18th Student Conference,
Szeged, Hungary 26-
30/6/2022



ECIS invites all young European researchers working in the area of Colloid and Interface science, or aspects of it, to attend the biannual Student Colloid Conference, the first since the start of the pandemic. The organization is in full steam right now, and the organizers will run the conference with full physical presence.

The 18th

European

Student

Colloid Conference



26-30 June 2022

Szeged

Hungary

Plenary speakers:

Biomedical aspects of colloids

Surfactants, micelles, self-assembly

Interfacial phenomena and adsorption

Polymer solutions, gels and phase behavior

Surface forces, liquid films, interactions in colloids

Colloidal dispersions, foams, emulsions, suspensions

Theoretical modeling and computer simulations of colloids

Piotr Warszynski

Cracow PL

Dganit Danino

Haifa IL

Brian Vincent

Bristol UK

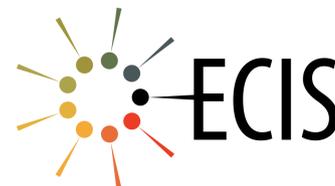
Julius Vancso

Twente NL



For more information:
<https://esconf2022.mke.org.hu/>
esconf2022@mke.org.hu

Forthcoming conferences related to Colloids and Interfaces in 2022

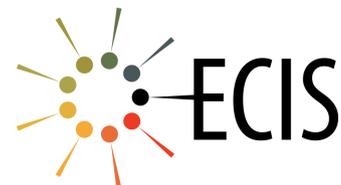


After the incredible two-year break inflicted on the World by the covid-19 pandemic, scientific conferences are again in full sail. Besides our two ECIS conferences described before, several important conferences related to the area of Colloids and Interfaces are still forthcoming in 2022. The following list is in fact by no means exhaustive:

- Chemistry, Physics and Biology of Colloids and Interfaces, Eger, Hungary (6-10 June 2022). Visit the website: <https://cpbci2022.hu/>
- 11th International Colloid Conference, Lisbon, Portugal (12-15 June 2022). Visit the website: <https://www.elsevier.com/events/conferences/international-colloids-conference>
- 17th IACIS conference, Brisbane, Australia (26-30 June 2022). Visit the website: <https://www.iacis2022.org/>
- 96th ACS Colloid and Surface Science Symposium, Golden Colorado, USA (10-13 July 2022). Visit the website: <https://colloids2022.org/>
- 84th Prague Meeting on Macromolecules – Frontiers of Polymer Colloids, Prague, Czech Republic (24-28 July 2022). Visit the website: <https://www.imc.cas.cz/sympo/84pmm/>
- 23d Surfactants in Solution (SIS) Conference, Lublin, Poland (11-16 September 2022). Visit the website: <https://sis2022.umcs.eu/>
- 17th European Conference on Organized Films (ECOF17), Cordoba, Spain (14-17 September 2022). Abstract deadline 30/6/2022. Visit the website: <https://ecof17.com/>
- 51st Biennial Assembly of the German Colloid Society, Berlin, Germany (28-30 September 2022). Abstract deadline 28/5/2022. Visit the website: https://www.chemie.tu-berlin.de/gradzielski/menue/51st_conference_of_the_german_colloid_society
- Colloidal, Macromolecular and Polyelectrolyte Solutions, Gordon Research Conference, Ventura California, USA (6-11 November 2022). Visit the website: <https://www.grc.org/colloidal-macromolecular-and-polyelectrolyte-solutions-conference/2022/>

**Substantia: An open access
free academic journal in
Chemistry**

By Pierandrea Lo Nostro
ECIS Secretary



 *Substantia*

An International
Journal of
the History of
Chemistry

Substantia

is an open access, peer-reviewed, international journal edited by the University of Florence. Topics of interest include traditional and innovative perspectives in the development of Chemistry, fundamentals and implications of chemical theories and related sciences, and truly interdisciplinary works (highlighting the interconnections between Chemistry, other scientific disciplines and technology).

Substantia represents a new paradigm in the panorama of Chemistry academic journals: Substantia is published **open access, with no publication fees**, and offers top quality original full papers, essays, experimental works, reviews, biographies and dissemination manuscripts. All contributions are in English. Many top level experts contributed with their papers, as the number of views, citation and download counts reflect.

The articles published in Substantia are indexed in Scopus, and the journal is now applying for indexing in Clarivate-Web of Science JCR.

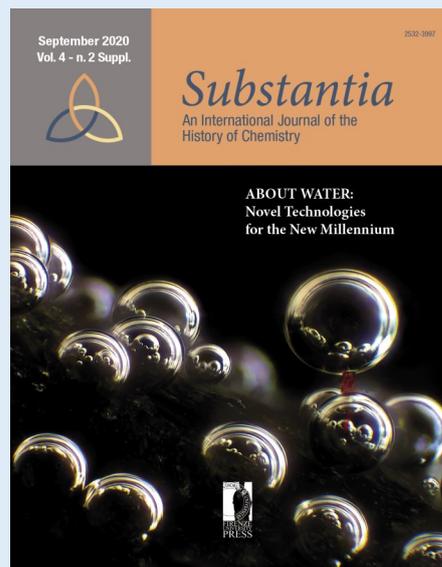
Since 2018, the journal is a sponsor of the ECIS annual meetings and offers an award for the best oral presentation of a young researcher presented during the conference.

Editor-in-Chief

Prof. Dr. Pierandrea Lo Nostro, Department of Chemistry, University of Florence, Italy.
Email: pierandrea.lonostro@unifi.it

Website: <https://riviste.fupress.net/index.php/subs/issue/archive>

eISSN: 2532-3997





Job vacancy No. 049-2022

The Leibniz Institute of Polymer Research Dresden is a non-university research institute and a member of the Leibniz Association. It has gained world-wide reputation for its application-oriented basic research on new polymer materials for future technologies, e.g. in the fields of energy, mobility, health, sustainability, and communication, and it supports the transfer of research results into application. The research work is carried out on the basis of state-of-the-art technical equipment in interdisciplinary cooperation between the five institutes of the IPF and embedded in numerous national and international cooperations. The IPF promotes young scientists and is certified as a family-friendly employer according to the Audit berufundfamilie®. The institute currently employs around 500 persons. Further information at www.ipfdd.de.

In this context, the activities of the research group ThieleLab focus on the buildup of functionality, stimuli-sensitivity and adaptivity in polymer materials starting on the nanoscale by synthesizing multifunctional monomers and macromers. Followed by processing this material basis via microfluidics, microscopic polymer structures come to life. To extend the control over interaction and communication in polymer structures towards the meso- and macroscale, the ERC project "3DPartForm" focuses on a novel additive material design strategy that includes processing and assembling individual polymer building blocks with an intrinsic set of functions and properties into true 4D polymer multimaterials.

Here, the research group ThieleLab offers a

PhD position (m/f/d) in an ERC project

Development of interactive polymer materials by controlled assembly of microscopic building blocks

The goal is to develop functional microscopic building blocks and construct as well as apply processing platforms for these. It will be of particular interest that these building blocks can be later assembled into mechanically stable hierarchical structures that are not simply static, but able to guide, process and manipulate information based on light, electric charges or diffusion and thus set up communication schemes across scale.

To tackle these challenges, the successful candidate is trained in polymer chemistry, macromolecular chemistry or organic chemistry. Process engineering or hands-on experience in machine construction is a plus.

Salary: According to German pay grade TV-L EG 13
Terms: 65% of the full-time weekly hours
Starting date: as soon as possible
Duration: three years

The IPF Dresden strives for gender equality and diversity in all fields. Applications by people with severe disabilities will be given preference if they are equally qualified. Moreover, as the IPF would like to raise the proportion of women in fields where they are underrepresented, women in particular are invited to apply.

The personal data collected by the IPF relating to your application, as well as the evaluation thereof shall be processed exclusively for purposes of the application process on the basis of contractual measures under Art. 6 (1b) GDPR. These data shall not be transferred to third parties. Recipients shall comprise the employees responsible, the Works Council as well as, where applicable, the representative body for disabled employees and the equal opportunities officers of the IPF. Your application details provided to us shall be deleted by us 6 months after the end of the application process, i.e. either after the job advertised has been filled, or after we have decided not to fill the vacancy after all. For questions under data protection law and for exercising your rights, please contact: d.aterschutz@ipfdd.de (data protection officer). You have the right to complain to the supervisory authority. Expenses for the interview participation will not be refunded.

The desire to path new ways in how polymer materials are made, to work across disciplines and discuss results with collaborators from other fields is essential. If you are motivated by these challenges, please submit your summary of research interests, CV, a detailed description of hands-on training in experimental and characterization tools and methods, contact information of two references as well as short statement, why you chose to apply for the position at hand to IPF Human Resources Department. **Don't forget to indicate the number of the Job vacancy.**

For further information please contact Dr. Thiele (eMail: thiele@ipfdd.de).

Leibniz-Institut für Polymerforschung Dresden e. V.
Frau Susanne Otto
Human Resources Department
Hohe Straße 6
01069 Dresden
otto-susanne@ipfdd.de



Job vacancy No. XXX-2022

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The research group „Polymer Micro(bio)reactors / ThieleLab“ offers a position as

PhD student (m/f/d) subject to funding approval

The position is part of the EU M-ERA.NET project LIFOMUL 3D (project details at: <https://m-era.net/joint-calls/joint-call-2021>) with 5 partners from Austria and Germany. The project aims at implementing high-resolution additive manufacturing of functional polymer micro-structures based on sustainable, natural resources.

Task description: Purification and characterization of natural polymers, e.g., from paper industry waste; synthesis and modification of polymers for photo-crosslinking; preparation of photopolymer formulations for additive manufacturing on novel 3D printing platforms; investigation of structural resolution and printability; development of conductive and insulating polymer formulations for multi-material printing of medical devices.

Requirements: The successful candidate is trained in polymer chemistry, macromolecular chemistry or organic chemistry. Experience in additive manufacturing based on Digital Light Processing® is a plus. The desire to path new ways in sustainable polymer material design, to work across disciplines and discuss results with project collaborators from other fields in academia and industry is essential. If you are motivated by these challenges, please submit your summary of research interests, CV, a detailed description of hands-on training in experimental and characterization tools and methods, contact information of two references as well as short statement, why you chose to apply for the position at hand to jobs@ipfdd.de.

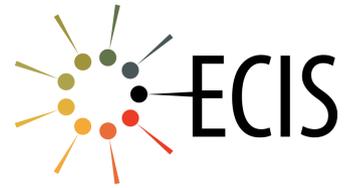
Salary: According to German pay grade TV-L EG 13, 65%

Contract: 3 years

Starting date: June 2022 or ASAP

For detailed information: thiele@ipfdd.de or thielelab.com

Final notes



- You receive this newsletter as a registered member of ECIS
- If you are not an ECIS member, please contact our Secretary, Prof. Pierandrea Lo Nostro (pierandrea.lonostro@unifi.it)
- If you have comments or suggestions and if you wish to contribute to future newsletters, please contact the newsletter editor, Prof. Minos Leontidis (psleon@ucy.ac.cy), or the ECIS webmaster, Prof. Dominik Horinek (dominik.horinek@ur.de)