

# AICAT notizie

AICAT-GICAT news

May 2021

Free distribution

Bollettino dell'Associazione Italiana di Calorimetria e Analisi Termica



In memory of Pino Della Gatta – AICAT founder

Associazione Italiana di Calorimetria e Analisi Termica

<http://www.aicat-gicat.it/index.html>

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## In memory of Pino Della Gatta

Professor Giuseppe (Pino) Della Gatta, former AICAT President and GICAT Coordinator, passed away on September 6th 2020. Pino graduated from the Faculty of Sciences of the University of Turin in March 1961. The following year he started serving at the Faculty of Pharmacy of the same University as an Assistant Professor of General & Inorganic Chemistry, until 1982 when he became Associate Professor of Physical Chemistry; he became Full Professor of the same discipline in 2007. Pino was among the pioneering Italian researchers to measure the thermodynamic properties of organic compounds by DSC and was recognized as the leading Italian expert in the field. He was one of the founder of the Italian Association of Thermal Analysis and Calorimetry (AICAT) and served as the first Chairman of this Association from 1979 to 1981 strongly contributing to the development of calorimetry in Italy. During the early eighties, thanks to his intense activity and to his dedication became a member of the ICTA (International Conference of Thermal Analysis) board. In 1989, together with other colleagues operating in the field of Calorimetry and Thermal Analysis, contributed to the foundation of the Interdivisional Group of Calorimetry and Thermal Analysis (GICAT) of the Italian Chemical Society for which he also served as a coordinator from 1992 to 1998.

Over the years he strongly supported the use of thermal and calorimetric techniques in various fields with a special emphasis on the physico-chemical characterization of materials. The last part of his career was devoted to the study of ageing and deterioration of historical parchments. In the fifty-year of his research activity, he was coordinator and responsible of international and national research projects. In addition to his roles within AICAT and GICAT, Pino has been very active within several national and international scientific organizations; he was among the co-founders of the Mediterranean Conference of Thermal Analysis and Calorimetry (MEDICTA) and has been serving as Councilor of the International Confederation for Thermal Analysis (ICTA) and International Confederation for Thermal Analysis and Calorimetry (ICTAC), a Member of the IUPAC Commission on Thermodynamics, a Board Member of the Italian Association of Physical-Chemistry (AICF), a Member of the European Symposium on Thermal Analysis and Calorimetry (ESTAC) Committee, the Chairman of the ICTA/ICTAC Committee on Calorimetry, the Chairman of the ICTAC Liaison-International Relationship Committee. Pino greatly contributed to the success of leading Journals in the specific field: he was a Member of the Editorial Board of *Thermochimica Acta*, a Member Advisory Board of the *Journal of Chemical Thermodynamics*, the Associate Editor of the *Journal of Thermal Analysis and Calorimetry*. We all remember him as an excellent host of several national and international conferences; undoubtedly the 11th IUPAC Conference on Chemical Thermodynamics which Pino organized will remain in the memories of many of us. Pino was awarded the Honorary Medal "N.S. Kurnakov" by the Russian Academy of Sciences (1990), the Honorary Medal for the 50th Anniversary of the University of Łódź (1998) and the Mettler-Toledo Award of the North American Thermal Analysis Society (NATAS) (2003).



5<sup>th</sup> AICAT Conference Trieste 14-16 December 1983  
(Della Gatta on the left, Riccardi on the right)



1<sup>st</sup> AICAT Conference - Florencia 17-19 December 1979 (Gravelle on the left, Della Gatta on the right)

His preparation and scientific intuitions have enriched the baggage of the numerous researchers who had the chance to work with Pino. His stylishness and *savoir-faire* were the icing on the cake of the social events of calorimetry and thermal analysis meetings. Pino's loss will be difficult to fill.

Our thoughts and heartfelt condolences go to his Family and all the people who had the opportunity to share experiences with him.

Alberto Schiraldi

Giuseppe Arena

Ignazio Blanco

## In memory of Pino Della Gatta



Thermochemica Acta Editorial Board – ESTAC Conference - Grado September 1994

He was a good friend of many years and his vivid personality always made it a pleasure to be with him. I particularly remember his great joy in Copenhagen when the AICAT bid to host ICTAC 2004 was successful. He will be missed greatly.

Ted Charsley

Such a loss of a good friend and great personality that paved the way for modern thermal analysis is an opportunity to reflect and appreciate Pino's importance in our lives.

With grief in my soul at the loss of my friend

Jaroslav Sestak



Jaroslav Sestak and Pino Della Gatta

I was very sad to learn that Pino just passed away.

We knew each other since 1967. At that time, curiously, Professor Venturello's Institute in Torino Faculty of Pharmacy and our Centre de Recherches de Thermodynamique et de Microcalorimétrie in Marseille were working on exactly the two same topics, i.e. metallurgy and adsorption, essentially from the thermodynamics viewpoint. Pino had come and spent a few months in our Center to become familiar with microcalorimetry and he had developed an excellent team on adsorption calorimetry, with Bice Fubini and a few others. Since then, we used to meet once or twice a year. After being a regular attendant of our yearly AFCAT meeting, he proposed AFCAT to organize its 1979 meeting in Torino, as a joint Italian-French meeting. The meeting was a success and it is during these days that AICAT was created and that Pino became its first President. This is why AFCAT and AICAT can really be considered as sister associations, as even suggested by their similar names. We then happened, Pino and myself, to be members of the IUPAC Commission on Thermodynamics and also of the ICTA Council, so that we often met. As the Chair of the ICTA Committee on Calorimetry, he was very active, during the 1992 ICTA Congress (in Hartfield, in the UK) to promote calorimetry and have the "C" added to the acronym of our confederation, which only then became ICTAC. I lost an old friend.

Let him rest in peace now!

Jean Rouquerol

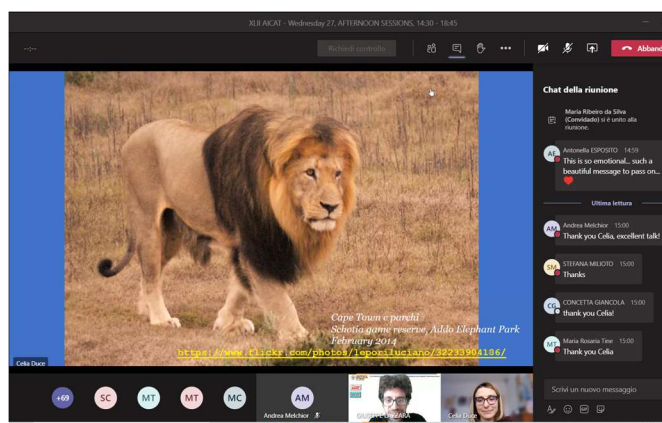
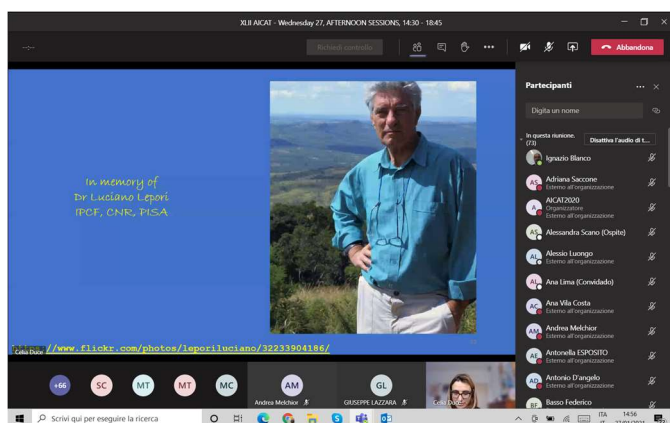
## Obituary – Dr. Luciano Lepori



Dr. Luciano Lepori

A few days before Christmas, the colleague Luciano Lepori, retired since 10 years, has passed away. All who closely have known him cannot deny his strong and frank nature as well as his deep and great passion for scientific research. The thermodynamic excess properties of dilute solutions and of liquid mixtures has been his main study, resulting in a noteworthy scientific production. He was never devoid of new ideas, ambitious research projects, proposals of new or more efficient instrumental techniques, and never gave up in front of difficulties such as improvements of models, instrumentations, and experimental data. He even never gave up when, alone against all, strongly supported certain topics. In particular, he recently has engaged to fight, by means of scientific evidence by him produced, against the widespread idea that the climatic warming is only antropogenic. On this subject he has worked until his last days, leaving a paper unfinished. Farewell, Luciano, we miss you.

(Enrico Matteoli)



The memory of Luciano during the lecture by Celia Duce, during the last AICAT Congress

## Online events – 12 questions to the Chairs



Pierre Brodard – STK 2020 Chair



Andrea Melchior – AICAT 2021 Chair



Gareth Parkes – TAC 2021 Chair

### 45th Annual STK Meeting

- Your Name, Name of the Scientific Organization for which organized an online Conference, your role in this organization:

**Prof. Dr. Pierre BRODARD  
Swiss Society for Thermal Analysis  
and Calorimetry STK  
President**

- Did you immediately decide to proceed with the online organization or did you first move the date of the congress, hoping for a possible traditional organization?

**We did try to move the date first. Our meeting was initially planned in May 2020, then postponed to Fall 2020. But we had to admit that organizing a meeting in Switzerland in October or November 2020 in presence wasn't possible.**

- Which platform did you used for the Congress?

**Microsoft Teams**

- Was the registration free or did you charge a fee?

**Free of charge**

### XLII AICAT National Conference

- Your Name, Name of the Scientific Organization for which organized an online Conference, your role in this organization:

**Andrea Melchior (University of Udine)  
Italian Association of Calorimetry and  
Thermal Analysis and Calorimetry  
(AICAT), Interdivisional group of  
Thermal analysis and Calorimetry  
(GICAT) of the Italian Chemical  
Society. Member of the executive  
board of GICAT. Event: XLII National  
Conference on Calorimetry, Thermal  
Analysis and Applied  
Thermodynamics (AICAT2020).**

- Did you immediately decide to proceed with the online organization, or did you first move the date of the congress, hoping for a possible traditional organization?

**The congress was planned as a standard "in person" event, which was then postponed to an undefined date hoping to a traditional organization. When it was clear that this wasn't possible the congress was changed to an online event.**

- Which platform did you used for the Congress?

**Microsoft Teams**

### RSC -TAC 2021

- Your Name, Name of the Scientific Organization for which organized an online Conference, your role in this organization:

**Dr Gareth Parkes, Royal Society of  
Chemistry Thermal Methods  
Group, Chair.**

- Did you immediately decide to proceed with the online organization or did you first move the date of the congress, hoping for a possible traditional organization?

**No. Our annual meeting is always late March / early April. We had to cancel the meeting altogether in 2020 but the TMG had decided to run an online conference in March 2021 in September 2020.**

- Which platform did you used for the Congress?

**GoToWebinar**

- Was the registration free or did you charge a fee?

**Free**

- How many participants attended the congress?

**250 signed up and about 100 – 120 attended.**

- How many participants attended the congress?

**Slightly more than 70**

- Is this number of participants in agreement with the participation in the past congress?

**It's more: we normally have around 50 people in presence. In particular, we had many more international participants (even outside Europe).**

- Were the speeches live or recorded?

**All speeches live (recording forbidden).**

- Was the poster format traditional or did you set something specific for the online event?

**No poster session.**

- Did you have any technical problems during the congress?

**No, luckily!**

- How many people were involved in the preparation and management of the online congress?

**Two people (President & Vice-President of STK). We were both in the same room during the meeting.**

- Are you satisfied?

**YES! But of course, we hope for a normal meeting 2021...**

- Do you think online conferences can replace traditional ones?

**NO. They are a nice alternative when nothing else is possible, it works well technically and scientific advances can be discussed this way. But pretty much all the social aspects of meetings (meeting new scientists, exchanging between industry and academia, informal discussions that might result in new cooperation, etc.) is missing.**

- Was the registration free or did you charge a fee?

**A fee was charged. Inclusive of the biennial membership to AICAT.**

- How many participants attended the congress?

**130**

- Is this number of participants in agreement with the participation in the past congress?

**The number is higher than the previous normal editions. We believe that the online format and the circumstances encouraged the participation from Europe and Mediterranean.**

- Were the speeches live or recorded?

**Live**

- Was the poster format traditional or did you set something specific for the online event?

**A virtual poster session was organized, with "flash presentations" of a selection of posters**

- Did you have any technical problems during the congress?

**No**

- How many people were involved in the preparation and management of the online congress?

**4**

- Are you satisfied?

**Definitely yes**

- Do you think online conferences can replace traditional ones?

**Traditional conferences won't be replaced, but online conferences will become an additional tool for scientific meetings.**

- Is this number of participants in agreement with the participation in the past congress?

**Normally, we get about 70 – 80 attendees at our annual meeting, so we had slightly more for the online conference.**

- Were the speeches live or recorded?

**A mixture. Some were recorded but had 'live' questions.**

- Was the poster format traditional or did you set something specific for the online event?

**Traditional format.**

- Did you have any technical problems during the congress?

**Not too many. One speaker could not join because of problems with GoToWebinar and their computer firewall but we had an alternative presentation ready to fill the gap.**

- How many people were involved in the preparation and management of the online congress?

**We had a conference committee of 5 people but 3 of us were actually directly involved in running the conference on the day.**

- Are you satisfied?

**Yes, we felt the conference was generally a success especially as this was our first online one.**

- Do you think online conferences can replace traditional ones?

**Not completely. Online conferences are very accessible to people across the world but cannot provide the social interaction and opportunity to meet with other researchers**

## 2020 Events

### 45th STK Meeting 2020

24 November 2020



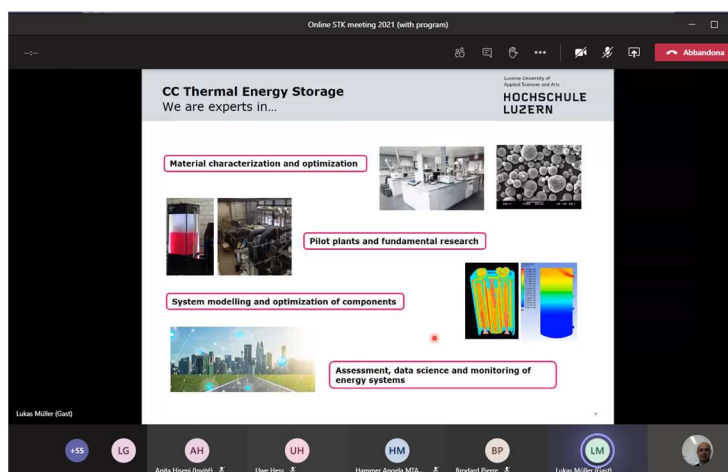
The 45<sup>th</sup> Annual of the Swiss Society for Thermal Analysis and Calorimetry (STK) was held online on 24 November 2020 by using Microsoft Teams platform.

The online mode allowed the participation of researchers from various parts of the world, at this link you can find the list of participants.

[http://www.stk-online.ch/Online2020/STK2020\\_participants.pdf](http://www.stk-online.ch/Online2020/STK2020_participants.pdf)

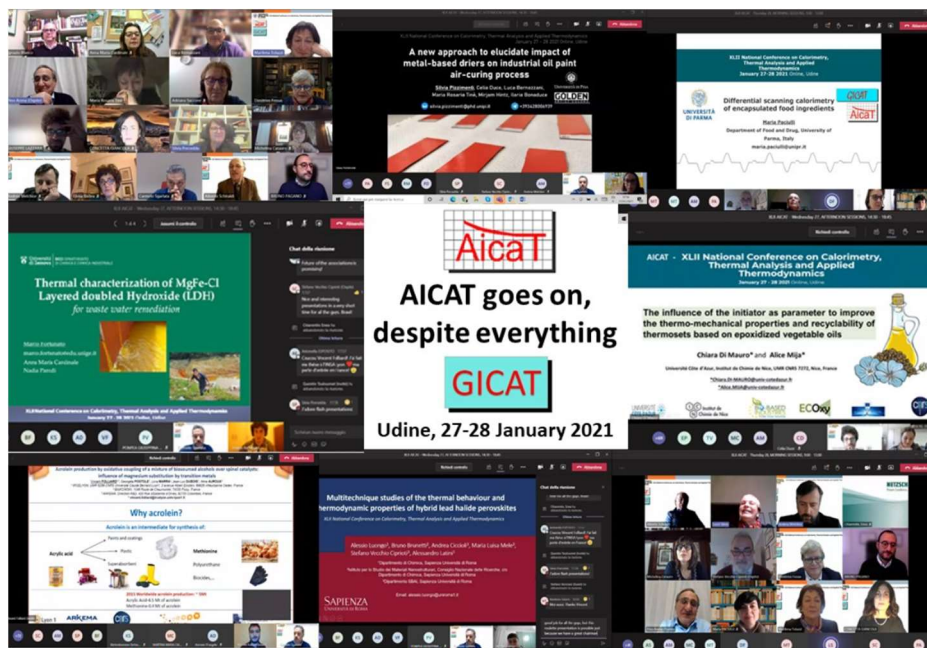
The works chaired by Pierre Brodard (STK President) have seen interesting lectures such as:

- Calorimetry in the Field of Thermal Energy Storage by Lukas Müller (Hochschule Luzern- Technik & Architektur, Switzerland)
- Determination of Thermodynamic Properties of Polymorphic Systems with Fast Crystallization Kinetics by Jürgen E.K. Schawe (Mettler-Toledo GmbH Nänikon, Switzerland)
- How to deal with Criticality Class 5: calorimetric studies and process safety by Delphine Berset (TÜV SÜD Process Safety, Basel, Switzerland)
- Custom-made ml-scale: Reaction Calorimeter for thermal safety screening purposes by Caitlin Blum (HEIA-FR / Chemtec, Fribourg, Switzerland)
- Energy Storage: Specific heat capacity of rocks used for high temperature thermal-energy storages by Angela Hammer (Mettler-Toledo AG Nänikon, Switzerland)



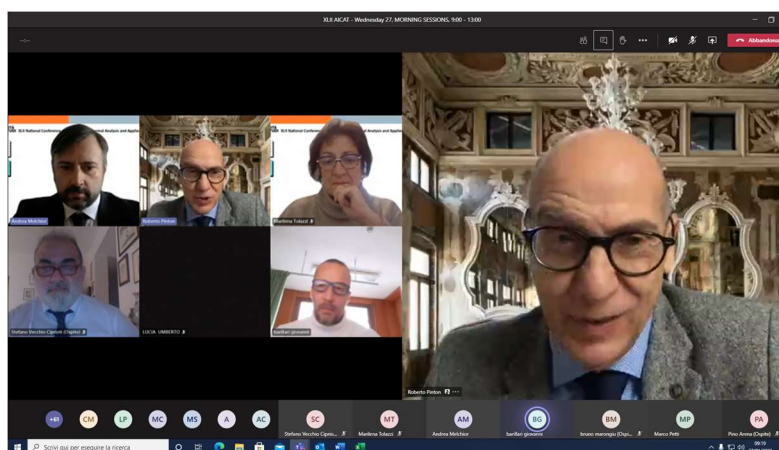
Screenshots from the 45th Annual of the Swiss Society for Thermal Analysis and Calorimetry (STK)

## XLII National Conference on Calorimetry, Thermal Analysis and Chemical Thermodynamics, January 27 - 28 2021 Online, Udine



From the 27 of January, in two days, has been held the XLII AICAT National Conference. The event organized online by the colleagues of the University of UDINE, recorded more than 100 participants and it was the signal that the Italian community of Thermal Analysis and Calorimetry has the power and desire to react to this difficult moment.

In the first day after the Opening Ceremony with the Chair and co-Chairperson of the Congress, prof. Melchior and Tolazzi respectively, the Rector of the University of UDINE and the Director of the Polytechnic Department of Engineering and Architecture, the congress was opened with the AICAT-TA award lecture Chairperson by Prof. Giuseppe Arena titled "Calorimetry: a priceless tool for characterizing intermolecular interactions and binding equilibria in solution. Retrospective and perspectives". The works then continued with a Cultural Heritage session dedicated to the memory of Prof. Della Gatta. In the afternoon, two session took place: the first one on Polymers and Biomaterials and the second on Solution, thermodynamics liquids, mixtures. The first days ended with a crackling Virtual Poster Session, during which many young researchers carried out Flash presentations of their work.



Greetings from the authorities of the University of Udine at the opening ceremony



LUCCI Award lecture



The second day started with the A. Lucci Award Lecture by Dr. Maria Paciulli from the University of Parma, which presented a work titled "Differential scanning calorimetry of encapsulated food ingredients" and continued with the session devoted to Instruments and methods, Life sciences, biological macromolecules, Materials, Kinetics, Catalysis. Here below the list of Invited lecture:

Prof. Jurij Lah, Faculty of Chemistry and Chemical Technology, Department of Physical Chemistry, University of Ljubljana, Slovenia. "How thermodynamics describes DNA stability and regulatory phase space?"

Dr. Lorenzo Appolonia, Centro Conservazione Restauro in Venaria, Italy. "Conservation: heating to know and understand"

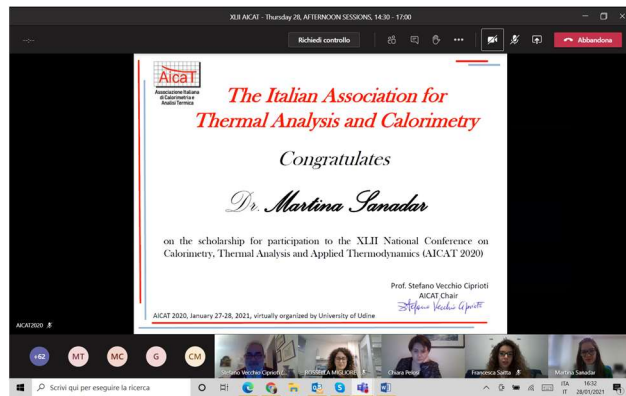
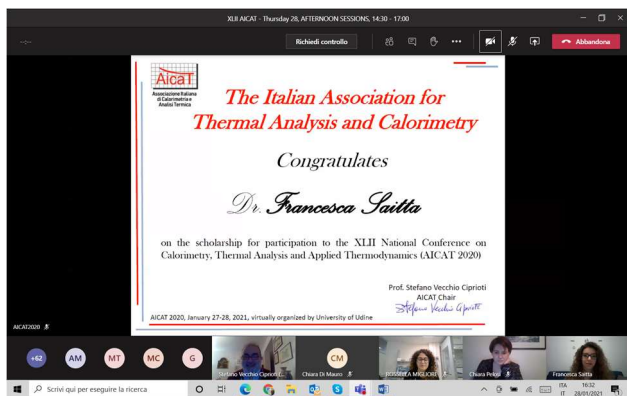
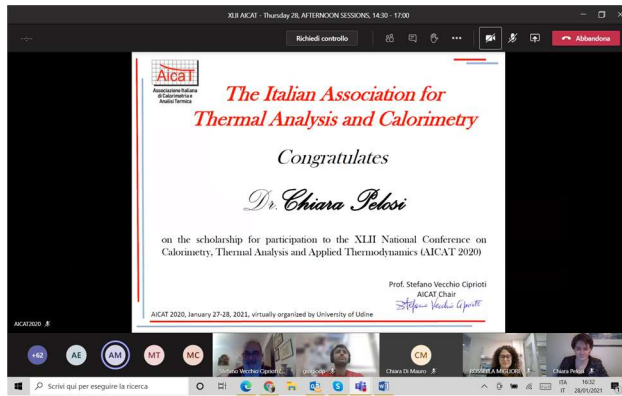
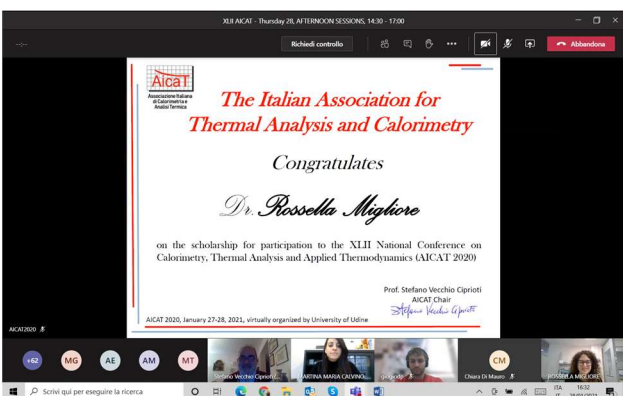
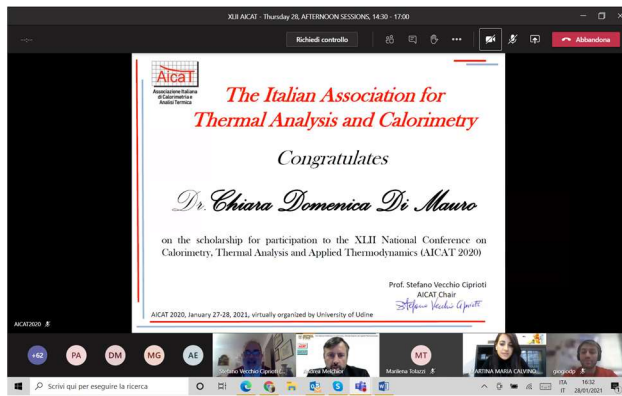
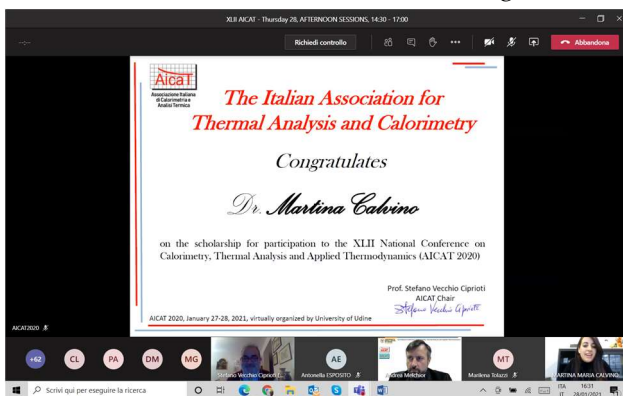
Prof. Celia Duce, Department of Chemistry and Industrial Chemistry, University of Pisa, Italy. "Focus on calorimetry and thermal analysis to study oil paint curing"

Prof. Matko Erceg, Faculty of Chemistry and Technology, University of Split, Croatia. "The role of researchers in kinetical calculations"

Prof. Nadia Lotti, Department of Civil, Chemical, Environmental and Materials Engineering, University of Bologna, Italy. "Thermal analysis applied to polymers: a powerful tool in combination with other techniques to extrapolate chemical structure-property correlations."

Selected papers based on oral and poster presentations at the Conference will be published after standard peer review, in two special issues of the *Journal of Thermal Analysis and Calorimetry* (2019 Impact Factor: 2.471) and *Entropy* (2019 Impact Factor: 2.494)

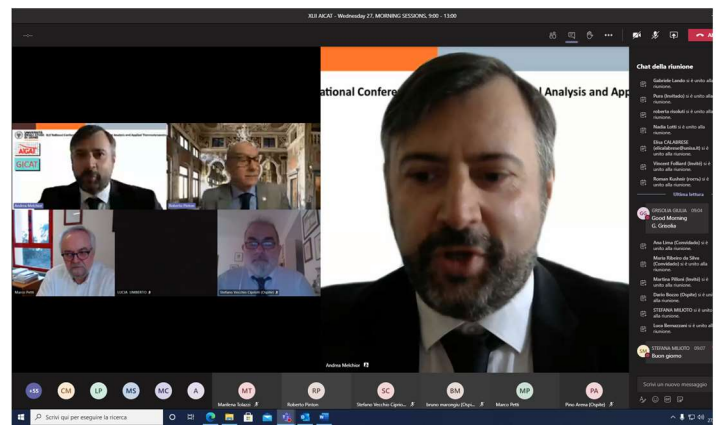
Here below some screenshots of the AICAT grants.



## Gallery of the XLII AICAT Conference



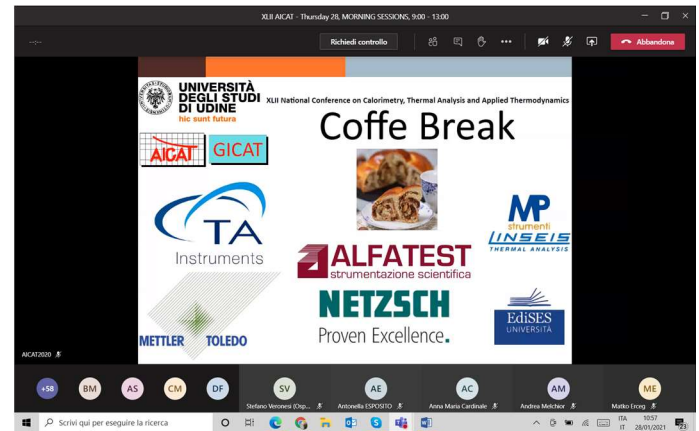
AICAT-GICAT General Assembly



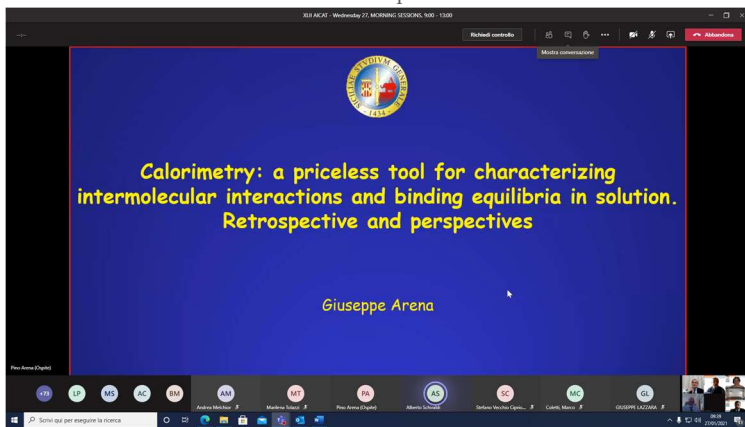
Opening Ceremony



AICAT Participation Grants



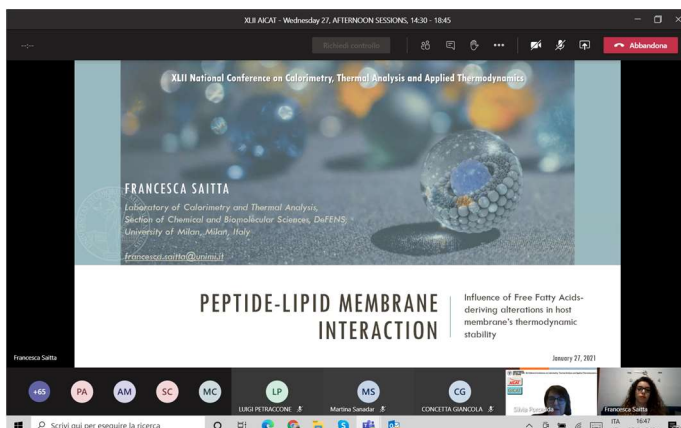
Coffee Break



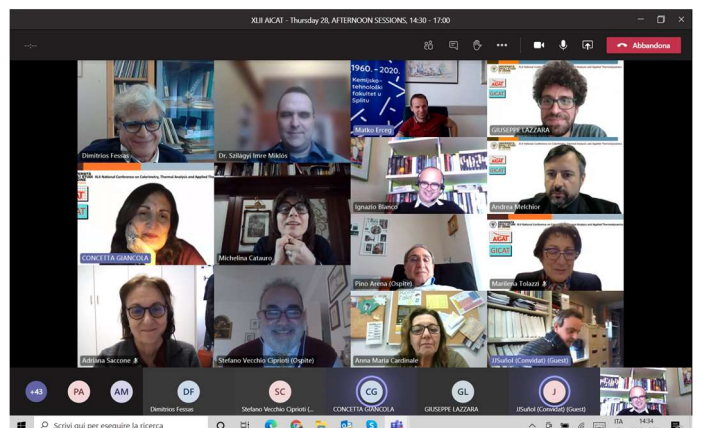
AICAT-TA Award lecture



AICAT Participation Grants lecture



AICAT Participation Grants lecture



AICAT Conference Participants

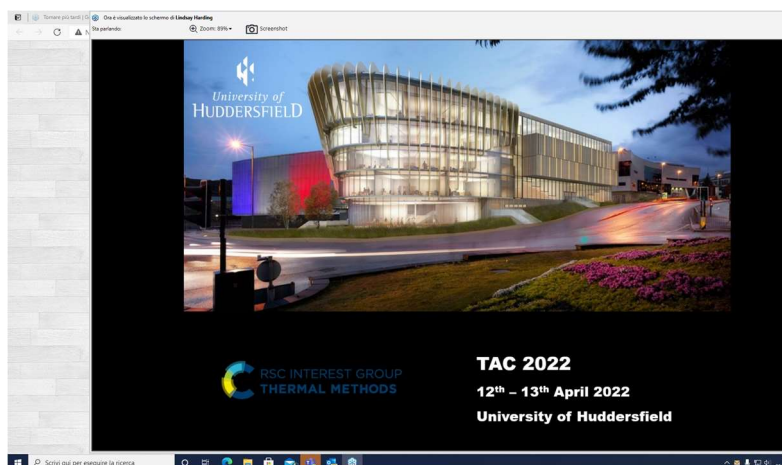
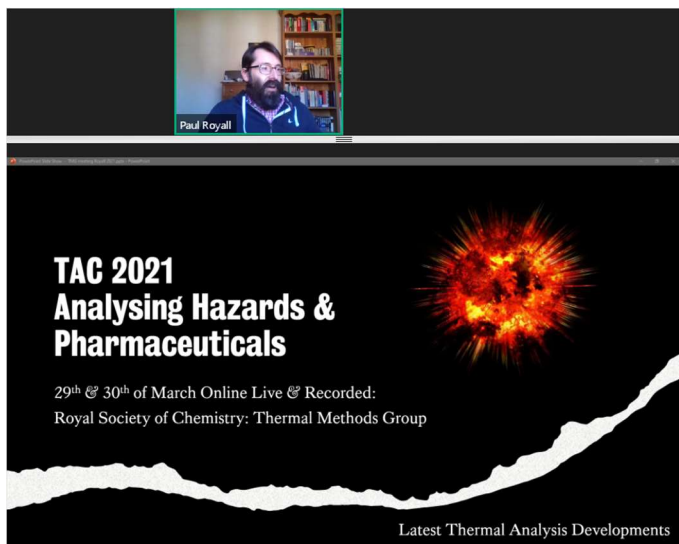
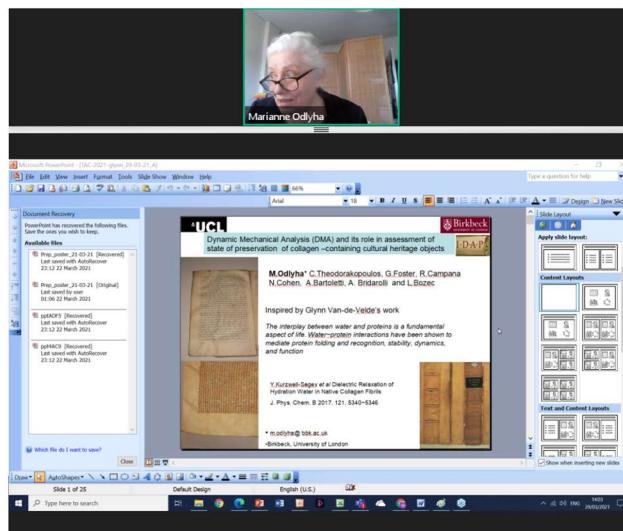
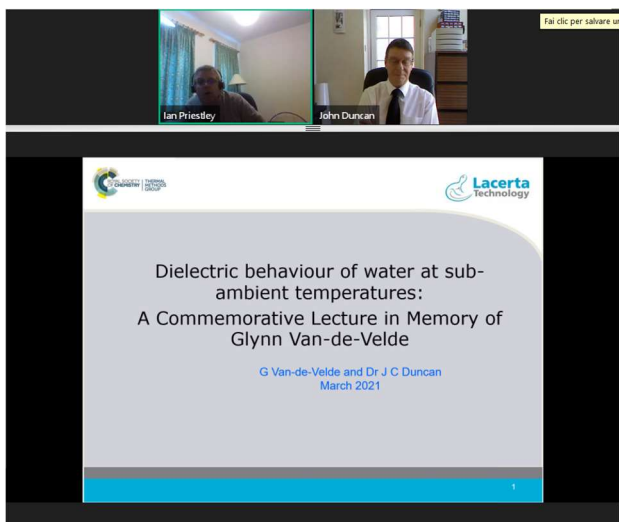
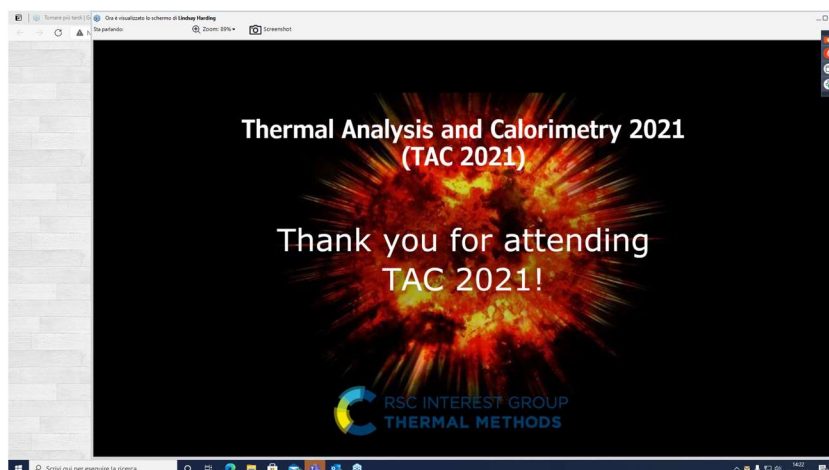
## TAC 2021, 29th and 30th March 2021

The Thermal Analysis and Calorimetry conference (TAC 2021) organized by the Thermal Methods Group (TMG) of the Analytical Division of the Royal Society of Chemistry, was held virtually in two half days on Monday 29th March (pm) and Tuesday 30th March (am) 2021. Interesting lectures, a poster session and short presentations from a range of instrument manufacturers characterized the two days. A commemorative lecture has been held to remember Glynn Van-de-Velde, committee member and Past-Chair of Thermal Methods Group.

Other lectures included:

- John Duncan (Lacerta) – The Glynn Van-de-Velde Memorial Lecture
- Hugh Tuffen (Lancaster University) - Thermal analysis of magmas – extreme hazards, extreme challenges
- Ruth Tunnell (Qinetiq) – Challenges with the thermal analysis of energetic materials

Here below some screenshots from the Conference



## Upcoming Events

### 24th Kalorimetrietage, Braunschweig, Germany 26 - 28 May 2021

24th Kalorimetrietage will again take place at the Physikalisch-Technische Bundesanstalt (PTB) in Braunschweig, Germany from 26 to 28 May 2021.



The deadline for registering contributions and submitting abstracts has been extended until 2 May 2021. Registering as a participant is possible until 9 May 2021.

This year, special focus will be put on applications of: Calorimetry for process safety assessment in the chemical industry (in cooperation with ProcessNet, the German platform for process engineering, chemical engineering and technical chemistry); High temperature calorimetry (up to 3000 °C) and Biomedical calorimetry (for the support of individualized medicine).

The conference will take place as an internet-based event with only. Participating via the internet will be free of charge. Details, including information about registration, can be found on the website <https://www.kalorimetrietage.ptb.de/>



### 51ème Journées d'Analyse Thermique et de Calorimétrie

The next edition of JCAT will take place as a WEBINAR from June 21 to 24, 2021. The purpose of the Conference is to bring together the community of users and thermal analysis specialists in the different fields ranging from food, health and materials, among others. The participation of young researchers is encouraged with introductory sessions planned. During the first two half-days, an introduction to Thermal Analysis and Calorimetry techniques will be offered. The abstract deadline is April 30 2021



## CEEC-TAC6 and 15th MEDICTA

The 6th Central and Eastern European Conference on Thermal Analysis and Calorimetry (CEEC-TAC6) and 15th Mediterranean Conference on Calorimetry and Thermal Analysis (Medicta2021) which will be held between 20th-24th of July 2021 in Split, Croatia. Together with this event, the 1st Croatian Meeting on Thermal Analysis and Calorimetry will also take place.

This new joint conference between the CEEC-TAC and the Medicta communities offers an important opportunity to bring

together eminent scientists of the Mediterranean basin and Central & Eastern European countries working in the field of thermal analysis and calorimetry. The conference aims at reporting on current relevant research developments in the Thermal Analysis and Calorimetry field and as such will serve a forum for discussions and may also offer a good opportunity to start new collaborations.

### Important dates

Early bird registration: 1<sup>st</sup> of April 2021 - 1<sup>st</sup> of May 2021

Payment of early bird registration fee: 1<sup>st</sup> of April 2021 - 1<sup>st</sup> of May 2021

Abstract submission and registration: 1<sup>st</sup> of April 2021 - 1<sup>st</sup> of June 2021

Abstract acceptance notification: by 20<sup>th</sup> of June 2021

Payment of the regular registration fee deadline: by 1<sup>st</sup> of July 2021

Payment of the late registration fee or of the onsite registration fee: after 1<sup>st</sup> of July 2021

Short Summer School on Thermal Analysis and Calorimetry: 20<sup>th</sup> of July 2021 (9:00-16:00)

Registration of participants at CEEC-TAC6 & Medicta2021: 20<sup>th</sup> of July 2021 (14:00-17:30)

Opening ceremony of CEEC-TAC6 & Medicta2021: 20<sup>th</sup> of July 2021 (18:00-19:00)

Plenary lecture: Herbert Danninger, Austria: 20<sup>th</sup> of July 2021 (19:00-19:40)

Welcome Cocktail: 20<sup>th</sup> of July 2021 (19:40 - 22:30)

Conference sessions: 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> of July 2021 (9:00)

Conference closing: 24<sup>th</sup> of July 2021 (12:00)

### Location, Venue and Travel

The conference Location is the University of Split, Faculty of Chemistry and Technology, Rudera Boskovicica 35, Split, 21 000, Croatia. The University of Split hosts the 5-day meeting, at the Faculty of Chemistry and Technology (KTF).

\*The Opening Ceremony & Welcome Cocktail will take place in open air, outside the KTF building.

\*There is a free parking in front of the building and all around the conference location.

\*The organizers will provide to participants 2 medical face masks per day.

\*For the oral presentation sessions will be used several lecturing rooms in order to keep the required social distancing. The poster presentation sessions will be held in open air areas.

Detailed information at <http://ceec-tac.com/conf6/welcome.html>

## 15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2021) - 25 – 28 July 2021

The 15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2021), in collaboration with Applied Thermal Engineering (ATE), will be hosted virtually (online only) instead of in Amsterdam, Netherlands from 25 – 28 July 2021. Oral and poster presentations will take place in real-time without sacrificing audience participation or networking, thanks to leading virtual conferencing technology.



The conference is co-sponsored by the International Centre for Heat and Mass Transfer (ICHMT) and the American Society of Thermal and Fluids Engineering (ASTFE). Beyond inclusion in the proceedings of the conference, papers from the conference will be recommended for publication in dedicated special issues of ATE, best papers from ATE along with outstanding reviewers contributing to ATE will be announced and awarded at the conference.

Conference website: <https://hefat2021.org>

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## NATAS Conference 3rd – 6th August 2021

### NATAS Conference 3rd – 6th August 2021

The NATAS Conference will be held online on a professional Zoom platform from Tuesday, August 3rd to Friday, August 6th aiming at maintaining a special collaboration between thermal analysts and the instrument manufacturers. The abstract portal is open as well as the registration portal. All relevant information can be found on the NATAS 2021 conference page (link here), including fees and instructions for abstract formatting.

Proposed sessions are:

- Education/basics
- High temperature materials
- Thermo-physical properties
- 3D printing/additive manufacturing
- Paints & coatings
- Advanced instrumentation & tandem techniques
- Polymers & biopolymers
- Nanoconfinement & surface effects in soft matter
- Batteries
- Energetic materials
- Kinetics
- Rheology
- Fast-scan techniques
- Reaction chemistry
- Pharmaceuticals
- Rubber performance materials
- General topics

## 17th International Congress on Thermal Analysis and Calorimetry (ICTAC 2020)



The 17th International Congress on Thermal Analysis and Calorimetry (ICTAC 2020), joint with the 8th Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference and 14th Conference on Calorimetry and Thermal Analysis of the Polish Society of Calorimetry and Thermal Analysis is going to be held on-line on 29 Aug. – 3 Sept. 2021.

On 29 Aug. 2021 (Sun) Workshop on “Good laboratory practice in thermal analysis and calorimetry” will be organized.

The original plan was to organize the Congress in a beautiful and historic city of Kraków, however, to avoid the health and safety risks of conference participants and staff members in the Covid-19 pandemic, the Organizing Committee decided - in agreement with the ICTAC Executive Board, to organize the conference on-line.

All the information about the Congress, including abstracts submission and registration, is provided on the webpage: <https://ictac2020.jordan.pl>

All the members of thermal analysis and calorimetry community and all researchers interested in these methods, are invited to participate at ICTAC 2020 Congress.

For any question it is possible to contact Dr. Agnieszka Łącz at [ictac2020@agh.edu.pl](mailto:ictac2020@agh.edu.pl).



### 17<sup>th</sup> International Congress on Thermal Analysis and Calorimetry



8<sup>th</sup> Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference

14<sup>th</sup> Conference on Calorimetry and Thermal Analysis  
of the Polish Society of Calorimetry and Thermal Analysis

29 Aug. – 3 Sept. 2021, *on-line* conference



## Job opportunities



**Assistant/Associate/Full Professorships of Materials Science and Engineering**  
**Guangdong Technion Israel Institute of Technology**  
**China**

Technion – Israel Institute of Technology is responsible for the academic management of a new university recently established in Shantou City (GTIIT), Guangdong Province, China [gtiit.edu.cn/en](http://gtiit.edu.cn/en)

GTIIT follows the academic model of the Technion campus in Haifa, Israel. It is dedicated to high quality research and education in science and technology. Courses will be taught in English.

GTIIT has established undergraduate programs in Materials Engineering, Biotechnology & Food Engineering, Chemical Engineering. A graduate program in these areas is also offered in coordination with the Technion's Graduate School.

Tenure-track faculty positions at all ranks for exceptional candidates are now available in the Materials Science and Engineering program with emphasis on the following fields: • Metals • Ceramics • Polymers • Electronic materials • Materials characterization • Materials processing • Functional properties of materials

Guangdong Technion offers generous start-up packages, fully equipped research laboratories, modern infrastructure, and qualified research personnel. Successful candidates will be offered generous compensation, convenient housing and family care facilities in the beautiful and newly constructed campus. Established research leaders in their fields will be provided with exceptional packages.

Please send CV, list of publications, a research plan and teaching statements to the MSE program at [gtiit.mse@technion.ac.il](mailto:gtiit.mse@technion.ac.il)

### **Postdoctoral Researchers in Atmospheric Research**

**University of Oulu Faculty of Information Technology and Electrical Engineering**

**Finland**



#### **Position description**

Four Postdoctoral Researcher positions with an initial 2-year appointment are available in the new Center for Atmospheric Research (ATMOS, <https://www.oulu.fi/en/center-atmospheric-research>) led by Associate Professor (tenure track) Nønne Prisle, a recipient of an ERC Starting Grant and an Academy of Finland Research Fellow grant, in the Faculty of Information Technology and Electrical Engineering. The postdoctoral researchers will conduct research on various aspects related to aerosols, atmosphere and climate. The positions are filled as of May 2021 or as soon as possible thereafter. A six-month trial period will be effective at the beginning of the initial 2-year contract.

#### **Candidate Requirements**

The successful applicant must hold a PhD degree in Atmospheric Science, Aerosol Science, Physical Chemistry, Physics, Chemistry, Meteorology, Computer Science, Mathematics, or a related field. Candidates, whose PhD thesis has been submitted for review by 9.5.2021, are eligible to apply.

#### **Contact Information**

For further information on the position and application procedure contact via email:

Professor Timo Ojala, [timo.ojala@oulu.fi](mailto:timo.ojala@oulu.fi)

Member of Advisory Board, Center for Atmospheric Research Faculty of Information Technology and Electrical Engineering University of Oulu





**Assistant Professor in Energy Technology**

**Royal Institute of Technology School of Industrial Engineering and Management**

**Sweden**

**Position description**

KTH Royal Institute of Technology in Stockholm has grown to become one of Europe's leading technical and engineering universities, as well as a key centre of intellectual talent and innovation. The subject field regards the Energy Technology with specialization in renewable energy sources

**Candidate Requirements**

An individual who has obtained a PhD or equivalent research expertise is qualified for appointment as an assistant professor. Candidates who met those qualifications within five years prior to expiration of the application period should be prioritized. Other candidates may also be considered if there are extraordinary grounds for doing so. Extraordinary grounds refer to illness, parental leave or similar circumstances.

**Contact Information**

Your application should follow KTH's CV template for employment of teachers. It is the responsibility of the applicant to ensure that the application is complete according to the requirements in the ad and CV template. Complete application must be received at KTH no later than the last day of application, midnight CET/CEST (Central European Time/Central European Summer Time).

Andrew Martin, Professor, [andrew.martin@energy.kth.se](mailto:andrew.martin@energy.kth.se)

Helena Lundquist, HR, [hellund@kth.se](mailto:hellund@kth.se) Last application date 12.May.2021 11:59 PM CET



**Postdoc Position in Bio-Based Polymer Materials**

**Royal Institute of Technology School of Engineering Sciences in Chemistry, Biotechnology and Health**

**Sweden**

**Position description**

KTH Royal Institute of Technology in Stockholm has grown to become one of Europe's leading technical and engineering universities, as well as a key centre of intellectual talent and innovation. With a focus on sustainability, this project aims to find out how agriculture-sourced materials should be processed and modified to enable replacement of today's bulk thermoplastics.

**Candidate Requirements**

Doctoral degree or an equivalent foreign degree, obtained within the last three years prior to the application deadline, good scientific skills; ability to co-operate is good as well as good problem-solving ability; excellent knowledge of English, both written and oral, that is English equivalent to English B/6. Preferred qualifications are a doctoral degree in chemistry, materials science and/or polymer technology from higher education or equivalent studies and previous experience in polysaccharides or biorefining is strongly qualifying.

**Contact Information**

The application must include: CV including relevant professional experience and knowledge. Copy of diplomas and grades from your previous university studies. Translations into English or Swedish if the original documents have not been issued in any of these languages. Brief account of why you want to conduct research, your academic interests and how they relate to your previous studies and future goals. Max two pages long. Complete application must be received at KTH no later than the last day of application, midnight CET/CEST (Central European Time/Central European Summer Time).

Ulrica Edlund, 08-7907634, [edlund@polymer.kth.se](mailto:edlund@polymer.kth.se)

Last application date 14.May.2021 11:59 PM CET

**Research Assistant/Associate in Polymer and Composite Engineering**

**Imperial College London Department of Aeronautics**

**United Kingdom**

Imperial College  
London



**Position description**

The Future Materials Group at Imperial College London, led by Dr Koon-Yang Lee is seeking a Research Associate to manufacture “artificial wood”, i.e. cellulose microfibril-reinforced lignin composites with the native cellulose-I structure preserved (mimicking wood cell wall), using simple and intrinsically scalable manufacturing concepts. This post is available immediately and the appointment is for 24 months.

**Candidate Requirements**

PhD (or equivalent) in engineering or a closely related discipline. The applicant should also have extensive knowledge on: Physics and chemistry of (ligno)cellulosic materials; Polymer and composite processing involving (ligno)cellulosic materials; Physical and chemical characterisations of (ligno)cellulosic materials; Synthesis of, or able to demonstrate relevant knowledge on the use of, ionic liquids for (ligno)cellulosic materials processing.

**Contact Information**

Informal enquiries - Dr Koon-Yang Lee ([koonyang.lee@imperial.ac.uk](mailto:koonyang.lee@imperial.ac.uk)); Queries relating to recruitment process: Lisa Kelly: [l.kelly@imperial.ac.uk](mailto:l.kelly@imperial.ac.uk) Technical issues when applying: [recruitment@imperial.ac.uk](mailto:recruitment@imperial.ac.uk)



**Assistant Teaching Professor in Chemical Engineering**

**University of Washington Department of Chemical Engineering**

**United States**

**Position description**

The University of Washington's Department of Chemical Engineering invites applications for one full-time Assistant Teaching Professor (100% FTE). The Assistant Teaching Professor will be hired on multi-year appointments with a 9-month service period (September 16 through June 15) that may allow for additional opportunities to teach during the summer. While the UW does not offer a path for tenure for teaching-track positions, the position can be renewed, and promotion and advancement are possible. The anticipated start date is September 16, 2021. The initial appointment duration and compensation will be commensurate with the applicant's qualifications.

**Candidate Requirements**

The position requires a PhD in Chemical Engineering or a related field (or foreign equivalent) and the following prior work experience: Prior teaching expertise in Interfaces, Surfaces and Colloids or a related subject; Prior teaching expertise in undergraduate Chemical Engineering lab courses; Management of small, shared instrumentation facilities with (at least 10 instruments) that are used for teaching and research; Positive factors for consideration include, but are not limited to: Demonstrated excellence in teaching with specific experience in process and/or capstone design; Industry/professional experience with a vision toward project-based, multidisciplinary and interdisciplinary learning.

**Contact Information**

Applications received through May 14, 2021 will be given priority consideration.

Please provide pdf files for the following requested materials: Cover letter indicating interest and fit with the position. A current curriculum vitae. Complete contact information for three references. A statement of teaching experience, interests and/or philosophy. Specifically highlight the required teaching focus of interfaces, surfaces and colloids. (2 pages max).

A statement of diversity/equity/inclusion (2 pages max) reflecting how your approach to teaching and/or service contributes to positive social change and supports people who represent differences in gender, class, race, ethnicity, religious affiliation, national and cultural boundaries, national origin, worldview, intellectual origin, ability, and other identities. A statement of experience, interests and/or philosophy in the management of shared teaching laboratory facilities. (1 page max)

To apply go to: <http://apply.interfolio.com/86080>

## AICAT Board



**Prof. Stefano Vecchio Cipriotti, Presidente**

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## How to enroll yourself in AICAT

Fill the form and send it to the AICAT President:

Prof. S. Vecchio Cipriotti, Dipartimento di Scienze di Base ed Applicate per l'Ingegneria (S.B.A.I.) (sezione di Chimica "Paolo Silvestroni") della Facoltà di Ingegneria Civile ed Industriale di Sapienza Università di Roma, via del Castro laurenziano 7, 00161 Roma RM (Italy) e-mail: [stefano.vecchio@uniroma1.it](mailto:stefano.vecchio@uniroma1.it)

or together with the payment receipt (€ 50,00 for each people, € 400,00 for Industry) to the AICAT treasurer:

Prof.ssa M. Catauro, Dipartimento DII, Università degli Studi della Campania Luigi Vanvitelli, Via Roma 29, Aversa email: [michelina.catauro@unicampania.it](mailto:michelina.catauro@unicampania.it)

Bank name: Banca UniCredit - Agenzia Roma Boncompagni (00712)

BIC Swift code: UNCRITM1712

IBAN IT 91 L 02008 05211 000101707406

Payment to Associazione Italiana di Calorimetria ed Analisi Termica (A.I.C.A.T.)

You can find the registration form at <http://www.aicat-gicat.it/doc2/Subscription%20form.rtf>

## How to enroll yourself in GICAT

In the framework of the annual registration with the Italian Chemical Society, in addition to the choice of the Division, membership in the Interdivisional Groups can also be formulated. It is necessary to opt for the Interdivisional Group of Calorimetry and Thermal Analysis (GICAT)

Registration form: <https://www.soc.chim.it/entry/new>