Welcome to JTACC+V4

The friendly atmosphere has long been a strong value of the Journal of Thermal Analysis and Calorimetry (JTAC), and during almost five decades of publishing a global community has formed around the Journal. With the Journal of Thermal Analysis and Calorimetry Conference (JTACC) series we wish to create an opportunity, where our editorial board, authors, reviewers, supporters, and all those who are interested in this wonderful field, can meet personally.

Hungary is the birthplace of modern thermal analysis. The World's very first commercial simultaneous TG/DTG/DTA instrument, i.e. the famous Derivatograph, was developed at the Technical University of Budapest in the early 1950s. Its huge success with more than 4000 pieces sold, paved the way for the World's first thermoanalytical journal (JTAC), established in 1969. Hungary was the host of both ICTAC (1974) and ESTAC (1998), and in 2007 – upon Hungarian initiative – the V4 (Joint Czech–Hungarian–Polish–Slovakian) Thermoanalytical Conference series was launched. Now we are happy to host again a world conference on thermal analysis by combining the 1st JTACC and the 6th V4 conferences this year.

When we – at the Journal – decided to initiate a new conference series, we did not even imagine that it would excite such a broad interest from all over the World. We have a very packed program with over 350 registered participants from 49 countries to present 5 plenary, 13 invited, 8 keynote, ca. 110 oral and 180 poster contributions. Besides the well-known JTAC Best Reviewer Award, we have established two new grants, i.e. the JTAC Scientific Excellence Award and the JTAC Young Scientist Award, which will be handed over during the meeting.

In addition, we do hope that you will also be able to find enough time to enjoy the beauty and the unique atmosphere of Budapest, the capital of our 1100-year old country.

On behalf of the organizing committee, we wish you a pleasant stay and exciting discussions during JTACC-V4.

Imre Miklós Szilágyi
Conference Chair

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Conference Organizers

Conference Organizers

JTACC+V4
1st Journal of Thermal Analysis and Calorimetry Conference and
6th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference
June 6–9, 2017 / Budapest, Hungary

Organizing Committee

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Conference Organization

AKCongress
P.O. Box 245, H-1519 Budapest, Hungary
Phone: +36 1 464 8215 / Fax: +36 1 464 8221
www.akcongress.com
akcongress@akcongress.com

Publishing Information

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The organizer reserves the right to make changes in the conference program.

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General Information

JTACC+V4

1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference

June 6–9, 2017 / Budapest, Hungary

Conference Venue

Hotel Mercure Budapest Buda****
Krisztina körút 41–43, H-1013 Budapest, Hungary
Phone: (+36) 1/488-8100
E-mail: h1688-sb@accor.com

Conference Language

The official language of the Conference is English. No translation facilities will be provided.

Registration and Information

Opening hours

Tuesday, 6 June	12:00–18:00
Wednesday, 7 June	8:00–18:30
Thursday, 8 June	8:00–18:00
Friday, 9 June	8:00–13:30

The Registration Desk will be open during the above opening hours. During these times, preregistered participants can pick up their name badges and conference materials. Please be prepared to present a proof of your advance payment and, if applicable, a proof of your PhD student status.

On-site registration is also possible and credit card or cash payment will be accepted. The on-site registration fees of the Conference are as follows:

Full	EUR 560
Members of V4 countries	EUR 500
PhD Students	EUR 460
Accompanying Persons	EUR 320

The registration fee includes intermediary services.

The conference registration fee includes:
- Attendance to all scientific sessions
- Official conference documentation
- Conference bag with complete conference materials
- Admission to the Welcome reception
- Gala dinner
- Coffee breaks
- Lunches on June 7–9, 2017
- Average value of catering included in the registration fee is EUR 200 (with service charges)
- VAT

The accompanying person fee includes:
- Accompanying persons are those who do not actually participate at the Conference, i.e., they come with an active participant
- Accompanying persons are not allowed to participate in the scientific sessions
- Admission to the Welcome reception
- Gala dinner
- Coffee breaks
- Lunches on June 7–9, 2017
- Average value of catering included in the registration fee is EUR 200 (with service charges)
- VAT

The General Terms and Conditions can be found on the Conference website: https://jtac-jtacc.akcongress.com/

Name Badges

Participants, accompanying persons and exhibitors are kindly requested to wear their name badge during all Conference events. Admittance to the scientific sessions and social events will be refused if the required badge cannot be presented.

Wifi and Internet

A free network will be available in the whole building.

Certificate of Participation

Participants will be given a Certificate of Participation upon registration.

Currency

The unit of Hungarian currency is known as the **Forint** (HUF). Bills come in 20000, 10000, 5000, 2000, 1000, 500 HUF denominations, coins are 200 (two colored, similar to €1), 100 (two colored, similar to €2), 50, 20, 10, 5 HUF. Euro is accepted at most hotels and some of the restaurants and shops. You can also use credit cards in major shops and larger restaurants.

Social Programs

Welcome Reception

At the Welcome Reception guests have the opportunity to get acquainted with the venue and meet the participants of the Conference. Snacks and refreshments will be served.

- **Venue:** Mercure Budapest Buda
- **Date:** June 6 (Tuesday), 18.20–20.20
- Registration is required
- Included in the registration fee

Gala Dinner

Conference participants are welcome to the gala dinner cruise on the Gróf Széchenyi Eventship. Enjoy delicious Hungarian meals paired with a great selection of wines while floating on the river Danube. Transportation to the venue will be provided.

- **Venue:** Gróf Széchenyi Eventship
- **Date:** June 8 (Thursday), 19.00–22.00
- Registration is required
- Included in the registration fee

Meet the Speakers

The schedule of the plenary lectures is as follows:

Time	Speakers	Country	Lecture titles
Tuesday, June 6, 17:00	**Jean Rouquerol**	**France**	Calorimetry to-day
Tuesday, June 6, 17:40	**Omid Mahian**	**Thailand**	Nanofluid Effects on the performance of a Solar Still coupled to Heat Exchanger
Wednesday, June 7, 8:30	**Wim de Klerk**	**The Netherlands**	Stability Research On Energetic Materials – History And Future
Thursday, June 8, 8:30	**Christopher Li**	**USA**	Designed Polymer Crystallization for Functional Nanomaterials
Friday, June 9, 8:30	**Li-Xian Sun**	**China**	Study on Preparation and Thermal Analysis of Hydrogen/ Heat Storage and Conversion Materials

Plenary speakers

Wim de Klerk

ICTAC president,
The Netherlands

Education: Technical College in Analytical and Physical Chemistry

Present Position: Senior Business Developer Ammunition Safety

Experience

2014–present: Senior Business developer Force Protection

2005–present: Program Manager Ammunition Safety / Project Manager / Program Manager in Lifetime related programs and projects inside TNO (covering the whole area: gun propellants, pyrotechnics, missiles). From 2003 till now, project manager for a large project on Munition Management System for the Brazilian Army, containing the HFC-equipment, installation, training and support.
Program Manager for National Defence R&D programs, like V0805
(Munition Lifetime during Expeditionary Operations and V1322
(Sustainable Ammunition Safety)

2005–present: Senior Scientist Ammunition Safety focusing on Lifetime Research and Thermal Analysis, TNO

2001–2005: Scientist in research group of Pyrotechnics, TNO

1992–2001: Scientist in research group of Energetic Materials, TNO

1987–2001: Scientist in research group for Process Safety, TNO

Activities
- President of International Confederation of Thermal Analysis and Calorimetry (ICTAC)
- Secretary of European Society of Thermal Analysis and Calorimetry (ESTAC)
- Secretary of Dutch Thermal Analysis Society

Reviewer and /or member of editorial board:
- Propellants, Explosives and Pyrotechnics
- Journal of Hazardous Materials
- Journal of Thermal Analysis and Calorimetry
- Journal of Aerospace Technology and Management

Chairman of:
- ICTAC scientific working group on Lifetime prediction of Materials
- Heat Flow Calorimetry Symposium Steering Committee

Organizing Chairman of:
- International Pyrotechnics Seminar (2009, Rotterdam)
- European Symposium on Thermal Analysis (2010, Rotterdam)
- Heat Flow Calorimetry Symposium (2010, Rijswijk)
- Health and Environmental Topics related to Munition Components (2011, Amsterdam and 2013, Utrecht)
- Nitrocellulose Symposium (2014, Rijswijk)

Member of:
- Panel board Member of NATO – AVT
- Member of NATO AC – 326 SG A
- European Defence Agency (GEM-02, Dutch Governmental Expert)
- International Scientific Advisory Committee for IPS
- International Scientific Advisory Committee for CEEC-TAC
- International Scientific Advisory Committe

Christopher Li

NATAS president, USA

Speaker bio: Christopher Li received his B. S. from the University of Science and Technology of China in 1995 and his Ph.D. from the Department of Polymer Science, The University of Akron in December, 1999. After working as a post-doc at the Maurice Morton Institute of Polymer Science, UA for 2 years, he joined Drexel University, the Department of Materials Science and Engineering in January, 2002 as an assistant professor, and was promoted to associate and full professor in 2007, and 2011, respectively. His research interests center on the structure and morphology of ordered polymeric systems and hybrid materials. Christopher Li is a Fellow of American Physical Society and North American Thermal Analysis Society, and is on the Editorial Advisory Board of Macromolecules, ACS macro letters, and Polymer. He has received a number of awards including the NSF Creativity Award, NSF-CAREER Award, the Inaugural Provost Award for Outstanding Mid-Career Scholarly Productivity, Alexander von Humboldt Research Fellowship, ASM Bradley Stoughton Award, DuPont Young Faculty Award, among others. He served as the President of the North American Thermal Analysis Society (NATAS) in 2016.

Omid Mahian

King Mongkut's University of Technology Thonburi, Thailand

Omid Mahian has received his PhD from Ferdowsi University of Mashhad, Mashhad, Iran and currently is a member of Young Researchers and Elite Club, Islamic Azad University, Mashhad, Iran. He also works as a research associate in Fluid Mechanics, Thermal Engineering and Multiphase Flow Research Laboratory (FUTURE Lab), King Mongkut's University of Technology Thonburi, Thailand. He has more than 75 papers published in archival journals, two book chapters, and has served as a reviewer for more than 60 international journals. His research interests are heat and fluid flow in nanofluids, entropy generation, exergy analysis, and solar energy.

Jean Rouquerol

Emeritus Research Director of the Centre National de la Recherche Scientifique (CNRS)

JTAC Scientific Excellence Award lecture

France

Address: Laboratoire MADIREL, Aix-Marseille Université, Marseille, FRANCE

Research interests

1) **In Calorimetry:** a) **gas adsorption microcalorimetry,** especially at 77 or 87 K, for which he developed the only calorimeter able to carry out these experiments to-day
   b) **immersion microcalorimetry,** which he developed as a unique method to determine the microporous area of carbons, which cannot be assessed by the BET method
   c) **liquid adsorption microcalorimetry,** especially adsorption of surfactants and polymers
2) **In Thermal Analysis,** devised and carried out, in the early sixties, the first experiments of **Sample-Controlled Thermal Analysis (SCTA),** an approach which is now available in all commercial thermobalances and which is most powerful in kinetics, in material preparation and in enhancing the resolution of the thermal analysis

Positions and commitments

- **President of the French Association for Calorimetry and Thermal Analysis (AFCAT)** (1985–1989)
- **Director of the CNRS Center for Thermodynamics and Microcalorimetry** (1990–2002) founded by Prof. E.Calvet in 1959 and then the "cradle" of heat-flowmeter micro-calorimetry
- **Chairman of the IUPAC Commission I-6 (Colloid and Surface Chemistry including Catalysis)** (1991 to 1994)
- **President of ICTAC, the International Confederation of Thermal Analysis and Calorimetry** (2000–2006)

Scientific production

ca. 200 published papers, 85 invited lectures in international conferences,

Awards and distinctions

Was given various awards in **France** (from the Société Chimique de France and from the CNRS), in **Italy** (Setaram Award of the the Italian Association of Calorimetry and Thermal Analysis (AICAT), in the **US** (Mettler Award of the North American Thermal Analysis Society (NATAS) and in **Spain** (Doctor Honoris Causa of UNED in Madrid). Lifetime Honorary Membership and Distinguished Service Award of **ICTAC.**

Li-Xian Sun

Counselor of the International Association of Chemical Thermodynamics (IACT), China

Professor Dr. of Chemistry

Dean of School of Materials Science and Engineering, Guilin University of Electronic Technology (GUET);
Director of Key Laboratory of Information Materials, Guangxi Province, China
Professor of Dalian Institute of Chemical Physics (DICP)

Membership

Fellow of Royal Society of Chemistry (FRSC)
Counsellor of *International Association of Chemical Thermodynamics (IACT)*
Vice Chairman of *committee on Chemical Thermodynamics and Thermal Analysis of Chinese Chemical Society*

Editorial Board member

Regional editor of *Journal of Thermal Analysis & Calorimetry*
Editorial board of The Journal of Chemical Thermodynamics
Editorial board of *International Journal of Electrochemical Science*

Education

1994, Ph.D., Hunan University;
1987, Master Degree, Hunan University;
1984, Dip Edu, Hunan University

Employment History

2 /1995, Guest researcher (**STA** fellowship), National Institute of Advanced Industrial Science and Technology (**AIST**), Japan;
5/1995, Postdoc. (Alexander von **Humboldt** fellowship), Jena University, Germany;
1996-2001, Guest Prof.(**AIST/ITIT, NEDO**, fellowship) at AIST;
9/2001–, Prof. and Group Leader of Materials & Thermochemistry Laboratory, Dalian Institute of Chemical Physics (DICP), Dalian National Laboratory (DNL) for Clean Energy, Chinese Academy of Sciences (CAS), Dalian, Liaoning Prov., China; **Director** of Key Laboratory of Energy Materials & Thermochemistry, Liaoning Province. **100 Talent Program** of Chinese Academy of Sciences;
2012 – present, **Dean** of School of Materials Science and Engineering, Guilin University of Electronic Technology (GUET); **Director** of Key Laboratory of Information Materials, Guangxi Province, China; Group Leader of New Energy Science & Technology; Guangxi Bagui Scholar.

Research interests:

1. Thermochemistry study for design and preparation of new materials such as nano materials, functional materials, catalysts, etc.;
2. Development of new energy including hydrogen storage/production material, fuel cells such as biofuel cells, proton exchange membrane fuel cells, direct methanol fuel cells, clean combustion of coal, etc.;
3. Bio/chemical sensors based on quartz crystal microbalance, slab optical waveguide and electrochemistry for hydrogen, glucose, etc.;
4. Bio-microcalorimetry for drug design, and Chemometrics algorithms (ANNs, QSAR) and applications in Bioinfomatics and material science.

The schedule of the invited lectures is as follows:

Time	Speakers	Country	Lecture titles
Wednesday, June 7, 9:50	**Peter Šimon**	**Slovakia**	Application of isoconversional methods for the prediction of material lifetimes
Wednesday, June 7, 9:50	**Jaroslav Šesták**	**Czech Republic**	Thermal analysis thermodynamics, off-equilibrium temperature and impact of nanosystems
Wednesday, June 7, 9:50	**Dénes Lőrinczy**	**Hungary**	New possibilities of application of dsc as a new clinical diagnostic method
Wednesday, June 7, 13:30	**Cheila Gonçalves Mothé**	**Brazil**	Kinetic parameters of thermal decomposition of biomass residue
Wednesday, June 7, 16:00	**Petra Šulcová**	**Czech Republic**	The use of thermoanalytical methods in the field of inorganic pigments
Wednesday, June 7, 16:00	**Krzysztof Pielichowski**	**Poland**	Thermal properties of hybrid organic-inorganic polyurethane/poss materials
Thursday, June 8, 9:50	**Andrei Rotaru**	**Romania**	Advancements regarding f(α) vs. K(t) terms and their contribution to kinetics of heterogeneous processes

Time	Speakers	Country	Lecture titles
Thursday, June 8, 9:50	**Vesa-Pekka Lehto**	**Finland**	A versatile analytical tool for mesoporous materials - thermoporometry
Thursday, June 8, 9:50	**Eder Tadeu Gomes Cavalheiro**	**Brazil**	investigation on the thermal degradation mechanisms of β-blocker antihypertensives and ssri antidepressants
Thursday, June 8, 16:00	**János Kristóf**	**Hungary**	Application of thermal analysis in the study of thin films and layer- structured materials
Thursday, June 8, 16:00	**Giuseppe Arena**	**Italy**	Self-assembling of calixarene-based homodimeric capsules in water
Friday, June 9, 9:50	**Gábor Várhegyi**	**Hungary**	Towards a meaningful non-isothermal kinetics for biomass materials and other complex organic samples
Friday, June 9, 9:50	**Ranjit K. Verma**	**India**	Applying thermal analysis in synthesizing ferrite nanoparticles

Invited speakers

Giuseppe Arena

AICAT president, Italy

Laurea *magna cum laude*, Industrial Chemistry (1973), University of Catania.

Academic positions

Research assistant (1974). Post-doctoral fellow, Chemistry Dept., University of St. Andrews, Scotland (1976). Lecturer, University of Catania (1977-1982). Associate Professor (1982-1985). Analytical Chemistry Chair (University of Messina, 1985). Analytical Chemistry Chair, University of Catania (1990-). NATO Senior Scientist, Thermochemical Institute (1984), Lecturer, Chemistry Dept.(1984), NATO Senior Scientist (1989) and Visiting Professor (1998), Brigham Young University (BYU), Provo, Utah, USA.

Awards

Sunner Memorial Award, The Calorimetry Conference (U.S.A.), Oak Ridge, Tennessee (USA,1989).
Canneri Award, Italian Chemical Society-Division of Analytical Chemistry, (Italy, 2013).

Research interests

- Thermodynamic and Spectroscopic Studies of bio-functional ligand metal complexes
- Speciation in aqueous solution
- Optimization of calorimetric systems
- Synthesis and characterization and speciation of new sequestering agents
- Use of new carriers for the removal/sensing of undesired species
- Supramolecular Chemistry

Publications/Bibliometric parameters

Over 110 peer-reviewed papers in international Journals, three Reviews (Corresponding author of 2), five book chapters. Total No. of Citations=2829; Citations/paper= 23; H-index=31; Average IF=3; Average IF (last 5 years)=5.

Lectures/Seminars

Main invitations over the last five years

Invited Speaker 10th Mediterranean Conference on Calorimetry and Thermal Analysis, July 24–27 2011, Porto, Portugal

Invited Speaker Department of Chemistry and Biochemistry, Brigham Young University, July 30th, 2012, Provo, Utah, USA

Invited Speaker PacifiKenII, August 2nd, 2012, Timberline Lodge (Portland) Oregon, USA

Invited Speaker Calibration in Isothermal Titration Calorimetry: hints and tips, MEDICTA 2013, Athens, June 12–15, 2013.

Invited Lecturer Calorimetry. Course for Honors Students, Chemistry Department, University of Cape Town, RSA, February 24-27, 2014.

Invited Lecturer Workshop on Nano ITC. Chemistry Department, University of Cape Town, RSA, February 26, 2014.

Invited Speaker Russia-Italy Round Table, Plios, Russia, October 1-3, 2014.

Invited Teacher	Erasmus Intensive Program, Summer School for Thermal Analysis Techniques, June 29 to July 12, 2014 Thessaloniki, Greece
Invited Speaker	Ivanovo State University of Chemistry and Technology, Russia, June 29 – July 3, 2015.

Over seventy invited lectures, both in Italy and abroad, over the last fifteen years, and several presentations at national and international Meetings/Schools.

Funding/Collaborations

Projects directed/coordinated by the PI and funded over the last twenty years:

- Funding Institution/Agency: Vigoni Program (1997). Type of Project: Vigoni-DAAD. Position: Italian Responsible. Foreign Partner: Professor Hans-Jörg Schneider, Department of Organic Chemistry, University of Saarlandes, Saarbrücken, Germany.
- Funding Institution/Agency: BYU (1998). Type of Project: Bilateral Agreement. Position: Italian Responsible. Foreign Partners: Professors Reed M. Izatt/ John L. Oscarson, Dept. of Chemistry and Biochemistry/Chemical Engineering Dept., BYU, Provo, Utah, U.S.A..
- Funding Institution/Agency: Nagoya University Program for Academic Exchance (1998). Position: Italian Responsible. Type of project: Bilateral agreement. Foreign Partner: Professor Osamu Yamauchi, Chemistry Dept., University of Nagoya, Japan.
- Funding Institution/Agency: MIUR. Type of Project: PRIN 2000, 2002, 2008. Position: Local Responsible.
- Funding Institution/Agency MIUR. Type of Project: Act 297/99, 2001, 2006 and 2009. Position: Local Responsible. Contractor: Meridionale Impianti, Milan.
- Funding Institution/Agency UCB & University of Catania (2007). Type of Project: Bilateral agreement. Position: Italian Responsible. Foreign Partner: Professor Kenneth N. Raymond, Department of Chemistry, University of California, Berkeley, U.S.A.
- Funding Institution/Agency: Kansai University (2012). Type of Project: Bilateral Agreement. Position: Italian Responsible. Foreign Partner: Professor Tatsuo Yajima, Department of Chemistry, Materials and Bioengineering, Kansai University, Japan.
- Funding Institution/Agency: Ministry for Foreign Affairs (partially) and Ivanovo State University of Chemistry and Technology (partially) (2015). Type of Project: Bilateral Agreement. Position: Italian Responsible. Foreign Partner: Professor Valentin Sharnin, Ivanovo State University of Chemistry and Technology, Ivanovo, Russia.

Positions in National and International Bodies

- Member elected of the Board of Directors of the Calorimetry Conference (1990).
- Member of the Editorial Board of Thermochim. Acta (1992–2001)
- Member of the Editorial Board of Journal of Supramolecular Chemistry (up to 2000).
- Member of the Editorial Board of J. of Inclusion Phenomena and Molecular Recognition (up to date)
- Regional Editor of Journal of Thermal Analysis and Calorimetry (up to 2009).
- Deputy-Chairman of the Division of Analytical Chemistry, Italian Chemical Society (SCI) for two terms (1997–2000 and 2000–2003)
- Member of the Board of Directors of the Italian Association of Calorimetry and Thermal Analysis and President of the Italian Group of Calorimetry and Thermal Analysis
- Coordinator of the PhD Chemistry Program, University of Catania, (1997–2003).
- Member of the Scientific Board of the CNR-Thalassographic Institute (Messina).
- Manager of a Socrates project with Warsaw Technical University.
- Chairman of the Division of Analytical Chemistry-SCI (2010–2012) and member of the Board of Directors of the same Institution (2013–2015).
- Member of the International Committee for the selection of Full Professors, Aristotle University of Thessaloniki, Greece (2013).
- Chairman elected of the Italian Association of Calorimetry and Thermal Analysis (2014–).

Cheila Gonçalves Mothé

School of Chemistry / Federal University of Rio de Janeiro, Technology Center, Brazil

Chemical engineering in 1975 – Brazil; M.Sc. in 1979 from IMA/ UFRJ (Polymers Technology) – Brazil; D.Sc. in 1992 from University of São Paulo/University of the Air – Japan; Postdoctoral (Rheology of Polysaccharides) in 1998 from Cornell University – USA; Postdoctoral (Thermal Analysis of Polymers) in 2003 from Cleveland State University – USA. Professor at Federal University of Rio de Janeiro – Brazil Since 1976 and Titular Professor at Federal University of Rio de Janeiro since 2005. CNPq researcher member and ad hoc consultant for 10 years. Coordinator of three laboratories: Natural and Synthetic Polymers Technology, Rheology Laboratory, Thermal Analysis Laboratory at UFRJ – Brazil. Chairwoman of Organic Department (1995-1997 and 2003–2008), vice chairwoman (1993-1995) of EQ/UFRJ. Biography published in Who's Who in Science and Engineering, USA (2006-7). More than 400 papers published in journals and national and international conferences. Advisor of over 50

Master and Doctoral Thesis and 120 undergraduate students, and author of many textbooks and patents. Chemical Award of the Year (2006) by CRQIII-RJ – Brazil;1st award at place XI Abrafati-Petrobras Science in Paint (2008). Honorary Member of the Group of the Hungarian Chemical Thermoanalytical Society, Budapest, Hungary, 2010. President of the Brazilian Society of Food Regional of RJ (2007–2010). President of the Brazilian Association of Rheology (2010–2016), Vice-President (2008–2015) and President (2016–2018) of Brazilian Association of Thermal Analysis and Calorimetry.

Eder Tadeu Gomes Cavalheiro

Vice-Director of the São Carlos Institute of Chemistry, Brazil

Éder T. G. Cavalheiro was born and educated in Ribeirão Preto/SP, Brazil (1962), obtaining his bachelor degree and teaching license in Chemistry from the University of São Paulo in 1983. He worked as an Assistant Professor within the Chemistry Department of the Universidade Federal de São Carlos, (1994–2002) since 2002 he held the position of Associate Professor at the Instituto de Química de São Carlos (IQSC-USP).

His research interests include the thermal analysis of biopolymers (chitosan, alginic acid) derivatives, the thermal behavior of metallic complexes, pharmaceuticals and food additives. In the electroanalysis field he pursues the development of electrode materials and their applications to pharmaceuticals and biologically relevant molecules. His research group LATEQS, established officially in 1998, has authored almost 170 journal publications and presented over 450 communications at various congresses and scientific meetings.

His involvement in thermal analysis associations started in ABRATEC (Brazilian Thermal Analysis Association) in which has served as Secretary (2002–2004) and Vice-President (2005–2006). He was elected to the position of ICTAC Secretary 2006–2012.

Presently he is the Vice-Director of the Instituto de Química de São Carlos (since 2014) and member of the ICTAC Advisory Committee Member, 2013– present

János Kristóf

President of the Thermoanalytical Technical Commission of the Hungarian Chemical Society Hungary

Work experience

Positions	Full professor (1998–) Pro-rector (2001–2011) Department head (2003–) Associate professor (1991–97) Assistant professor (1974–90)
Main activities	Teaching, research, management (education and research)
Employer's name and address	University of Pannonia, Egyetem 10, H- 8200 Veszprém, Hungary
Type of activity	University professor at a higher educational institution

Education and training

Period	5 years, between 1969 and 1974
Qualification/ title	Master degree in chemical engineering, Veszprém University of Chemical Engineering (18/1974) Candidate of Chemical Sciences, Hungarian Academy of Sciences (12.414/1988) Doctor of Chemical Sciences (DSc), Hungarian Academy of Scinces (3.375/1995 MTA) Habilitation in analytical chemistry, University of Veszprém (VE 1995)
Name and type of educational institution	Veszprém University of Chemical Engineering (currently University of Pannonia)
Organizational skills and competencies	**Science organization at national level** – Representative of the General Assembly of the Hungarian Academy of Sciences (HAS) (chemistry discipline) – Member of the Chemical Doctoral Committee of the HAS – Elected member of the Analytical and Environmental Chemical Committee of the HAS – Member of the Working Committee for Thermal Analysis of the HAS – Member of the Working Committee for Spectrochemistry of the HAS

– Co-president of the Spectrochemical Society of the Hungarian Chemical Society
– President of the Thermoanalytical Group of the Hungarian Chemical Society
– Board member of the Hungarian Clay Mineral Society
– Head of the Chemical Engineering and Materials Science Doctoral School of the University of Pannonia

Science organization at international level

I. Activities in international organizations

– National representative of the International Confederation for Thermal Analysis and Calorimetry
– Member of the Editorial Board of the Journal of Thermal Analysis and Calorimetry

II. Referee for international Journals

– Journal of Thermal Analysis and Calorimetry
– Langmuir
– Clays and Clay Minerals
– Applied Clay Science
– Thermochimica Acta
– Journal of Colloid and Interface Science
– Spectrochimica Acta A
– International Journal of Polymer Science
– Journal of Analytical and Applied Pyrolysis

III. Organization of international conferences (chairman, co-chairman, board member, editor of abstract book)

– *1st Journal of Thermal Analysis and Calorimetry and 6th V4 Thermoanalytical Conference* (2017)
– 8th Mid-European Clay Conference (2016)
– 5th Mid-European Clay Meeting (2010)
– XXXVI. Colloquium Spectroscopicum Internationale (2009)
– 1st Joint Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference (2007)
– „MECC'04" Mid-European Clay Conference (2004)
– Third Mediterranean Clay Meeting (2002)
– XVIII. International Conference on Raman Spectroscopy (2002)
– 7th Austrian-Hungarian International Conference on Vibrational Spectroscopy (1999)
– 7th European Symposium on Thermal Analysis and Calorimetry (1998)
– XXIII. European Congress on Molecular Spectroscopy (1996)
– Symposium über Thermische Analyse (1995)
– 10th International Conference on Fourier Transform Spectroscopy (1995)
– 6th Austrian-Hungarian International Conference on Vibrational Spectroscopy (1994)
– 4th International Symposium on Ion Exchange (1980)

IV. Preparation/organization/leading of scientific projects

– Projects on infrastructure development (organization of research-level vibrational spectroscopic laboratory, development of regional instrument center, development of contamination prevention center): OMFB-01836/2002, **11,2 Million HUF**; MU-00290/2001, **42 Million HUF**
– Operative Program for Economic Competence (GVOP) projects (development of electronic components, supervision of electronic parts and components): GVOP-3.1.1.-0029/3.0, 2005–2007, **63 Million HUF**; GVOP-3.2.2.-2004-07-0022/3.0, **15 Million HUF**
– Hungarian Research Fund (OTKA) project leader (development of electrocatalysts, investigation of oxide-based coating systems): T034355, 2001–2003, **3.9 Million HUF**; K062175, 2005–2009, **13 Million HUF**
– **Social Renewal Operative Projects (TÁMOP): TÁMOP 4.2.2. (Liveable environment, healthier people)** Project leader, **695 Million HUF**
– **TÁMOP 4.2.1.B (Mobility and the Environment)** Project leader, **1600 Million HUF**
– **TÁMOP 4.1.1.1.C (Higher Educational cooperation for the water sector),**
– Project leader, **1,3 Million HUF**

Engineering skills and competenciesk

I. Realized patents

– Hungarian Patent No. 174783 (thermoanalytical instrument)
– Hungarian Patent No. 186613 (surface degreasing composition)

II. Technical advisor activity

– Armant Partnership Co. Ltd., Louisiana, USA, carbo-chlorination plant, analyst (1983)
– High-concentration nitric acid plant, Pétfürdő, Hungary, Mitsui Engineering and Shipbuilding Co.Ltd., consultant (1983-84)

– Inota Alumínium Smelter, introduction of the dry anode technology, Sumitomo Aluminum Co. Ltd., consultant (1987–88)
– Erection of waste water treatment plant, Pétfürdő, Hungary, Rosenlew Co. Ltd., consultant (1985–86)
– Development of electronic components, Epcos Electronic Parts and Components Co. Ltd., Szombathely, Hubgary, consultant (2007–2009)
– Aluminum Technologies, Vacherie, USA, consultant (2015–)

III. Supervision of PhD and MSc students (22 students)

IV. Opponent of DSc and PhD works

– Italy (4 persons)
– Sveden (3 persons)
– Australia (1 person)
– Hungary (11 persons)

V. Book reviews

– Shmuel Yariv-Harold Cross (Eds.): Organo-Clay Complexes and Interactions, Marcel Dekker, Inc., New York, 2002, pp. 688.
– Michael E. Brown- Patrick K. Gallagher (Eds.): Handbook of Thermal Analysis and Calorimetry, Vol. 2, Applications to Inorganic and Miscellaneous Materials. Elsevier, Amsterdam, 200. pp.905

Teaching activity (topics taught for BSc and MSc students)

– Chemical analysis
– Structure elucidation methods
– Thermal analysis
– Spectroscopy
– Modern surface analysis techniques
– Environmental analytical chemistry
– English technical writing

Publication activity

– 182 papers in refereed journals, 259 cumulative impact factors
– 179 presentations at scientific conferences
– 2200 independent citations

Decorations

– 9 textbooks
– László Méray Award (2005)
– Knight's Cross of the Republic of Hungary (2006)
– Award for National Defense, 2nd Class (2008)
– Award for Environmental Engineering Higher Education (2008)
– Albert Szent-Györgyi Award (2012)
– Miklós Preisich Award (2015)

Vesa-Pekka Lehto

ESTAC president, ICTAC treasurer, Finland

Vesa-Pekka Lehto received his Ph.D. degree from the University of Turku, Finland, in 1999. He currently holds professorship in materials physics at University of Eastern Finland where he started in 2008. He has published more than 160 refereed papers in international scientific journals and his h-index is 32 with the total number of >3400 citations. He is the chairman of the Finnish Thermal Analysis and Calorimetry Association (FinTAC) and he chaired the ESTAC-11 conference in 2014.

His resent research interests include 1o Development of nanoporous drug carriers, 2o Development of nanostructured silicon for metal adsorption, 3o Development of anode material based on nanostructured silicon for Li-ion batteries, and 4o Disordered structures in pharmaceuticals.

Dénes Lőrinczy

Winner of the SETARAM-ICTAC Award (2016), Past president of the Thermoanalytical Technical Commission of the Hungarian Chemical Society, Hungary

He was born on 6th of June 1945 in Pécs. He has finished his primary and secondary schools in Pécs and on 1st of September 1963. In the same year he enrolled in the Physical Course in Natural Faculty of Sciences, University Lóránd Eötvös Budapest, Hungary. In 1968 he was graduated as MS physicist. His former and present working place is Biophysical Department, School of Medicine University Pécs (till 2000 it was Medical University Pécs). His present position is (since 2015) Professor Emeritus. Scientific degrees: 1980-CSc, 2002-Dr. habil, 2006-and doctor of Hungarian Academy of Sciences (DSc). My main fields of interest: biophysics, life sciences, food physics R&D, with relevant categories in thermal analyses: muscle proteins, R&D of dairy products, application of thermal analysis in medical sciences.

Krzysztof Pielichowski

President of the Polish Society of Calorimetry and Thermal Analysis, Poland

Krzysztof Pielichowski, head of Department of Chemistry and Technology of Polymers, Cracow University of Technology, specializes in polymer (nano)technology and chemistry, particularly in the area of thermal properties of polymer nanocomposites with engineering polymers and hybrid organic-inorganic materials containing POSS. Special attention is dedicated to the assessment of nanocomposites impact on the environment at all stages: preparation, characterization and recycling. He is currently performing a research program in the area of preparation and characterization of biopolyamide nanocomposites with cellulose. Co-auhor (or editor) of eight books, including book series titled "Modern Polymeric Materials for Environmental Applications", and over 120 papers with impact factor.

Recipient of a number of international and national awards, such as Kosciuszko Foundation Award in 2000, Fulbright Fellowship Award in 2003 and the Rector of CUT Award in 2006, 2009 and 2015. He also has been a consultant or cooperating with a number of companies, such as ABB and Grupa Azoty SA. President of the Polish Society of Calorimetry and Thermal Analysis, member of the Committee of Chemistry of the Polish Academy of Sciences and member of the Commission of Technical Sciences of the Polish Academy of Arts and Sciences. He serves as Editorial Committee member of journal POLIMERY and as a reviewer of international and national projects / research papers over the last decade; he supervised eleven Ph.D. thesis (completed) and four currently running.

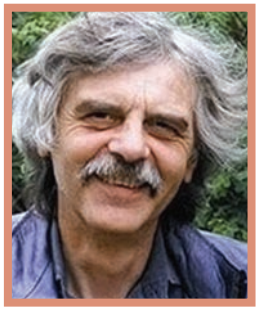
Citations: ~ 3300
h-index: 27

Andrei Rotaru

INFLPR National Institute for Laser, Romania

Jaroslav Šesták

Czech Republic



Jaroslav Šesták devoted his scientific proficiency in experimental and theoretical studies related to the fields of materials, applied thermodynamics and thermal analysis. As a full professor since 1993 he experienced teaching not only in the field of material sciences and engineering but also in the interdisciplinary areas of philosophy and humanities. He edited and authored 17 books and monographs, published almost 300 papers (30 during the past five years) that have received about 2500 citations (Hirsh citation factor 24). Jaroslav gave over 300 invited key lectures and was presented with various scientific awards (such as NATAS (USA 1974), Kurnakov (USSR 1985), Bodenheimer (Israel 1987), ICTAC (England 1992) or GEFTA (Berlín 2014). He assisted underpinning of the School of Energy Sciences of Kyoto University (1996), Faculty of Humanities of Charles University in Prague (1999), Institute of Interdisciplinary Studies of West Bohemian University in Pilsen (2000) and Prague branch of the New York University (2000) where he lectured until 2016. Jaroslav was a co-founding member of both the ICTAC confederation (1965), Thermochimica Acta (1970), Journal of Mining and Metallurgy (1995), Inter. Journal of Modern Glasses (2009) and Global Journal of Analytical Chemistry (2010). Among important books belong his "Kinetic phase diagrams: nonequilibrium phase transitions" (Elsevier, 1991), "Special materials and their advanced technologies" (Academia, 1993), „Vitrification, transformation and crystallization of glasses"(Elsevier, 1996), "Heat, thermal analysis and society" (Nucleus, 2004), "Science of heat and thermohysical study" (Elsevier, 2005), "Thermodynamics, structure and behavior of materials" (Pilsen 2009) and Springer triptych on hot topics of thermal analysis "Glassy, amorphous and nano-crystalline materials (2011 and "Thermal physics of micro-, nano- and non-crystalline materials (2013) and Thermal physics and thermal analysis (2017). He is the doctor honoris causa of Pardubice University since 2010 and a year later

became the Emeritus Scientist of the Academy of sciences. Beside his scientific career he was a league basketball player, mountaineer (e.g. Himalaya, Caucasus, professional ski instructor, politician (member of Prague 5 government 1994-1998 and in 1996 a candidate for the seat in the Czech parliament) and enthusiastic globetrotter (notoriously carrying a sleeping sack in his backpack while participating at scientific conferences). Within this hobby he has also became a recognized photographer who held twenty three photo-exhibitions. In 2016 he became an honorary citizen of Prague 5.

Peter Šimon

President of the Slovak Group for Thermal Analysis and Calorimetry, Slovakia

Peter Šimon is a professor at the Institute of Physical Chemistry and Chemical Physics, Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava, Slovakia. His research interests are: theory and practice of thermal analysis; kinetics and thermodynamics of the processes in condensed state, elaboration of the theory of the single-step approximation; kinetics of the processes exhibiting the induction period (thermooxidation, crystallization, rubber curing, etc.); predictions of the thermal and thermooxidative stability of polymers and organic materials, elaboration of criteria used for the evaluation of stability, efficiency of stabilizers, synergy, equivalence between accelerated and field tests; kinetics of the processes occurring in food (interaction food/packaging, kinetics of acrylamide formation/elimination, health risks conveyed by nanoparticles in food, etc.; modeling the kinetics and thermodynamics of processes occurring in reacting systems.

He published 165 publications in refereed journals and delivered 190 papers at conferences. His papers have been cited about 1700 times according to WoK database, h-index=26.

Petra Šulcová

Chairwoman of the Czech Group of Thermal Analysis, Czech Republic

University of Pardubice,
Faculty of Chemical Technology,
Head of Department of Inorganic Technology, Studentská 573, 532 10 Pardubice, Czech Republic
E-mail: petra.sulcova@upce.cz

Education:

2009: professor in field „Chemistry and Technology of Inorganic Materials“,
Faculty of Chemical Technology, University of Pardubice;
2002: conferment in field „Chemistry and Technology of Inorganic Materials“,
Faculty of Chemical Technology, University of Pardubice;
1997: Ph.D., in field „Inorganic Technology“, Faculty of Chemical Technology, University of Pardubice;
1993: Ing., in field „Technology of Inorganic Production“,
Institut of Chemical Technology (VŠCHT Pardubice).

Profession:

2010 – professor, University of Pardubice
2002 – 2010 associate professor, University of Pardubice
1997 – 2002 assistant professor, University of Pardubice

Pedagogical activities:

- lectures in experimental methods for characterization of powdery materials and technology of inorganic production;
- supervision of bachelor (approx.20), master (approx. 40) and doctoral theses (approx. 10).

Membership in national scientific societies:

- chairwoman of Czech Group for Thermal Analysis (from 2008);
- Czech Chemical Society (from 2013 a member of the executive board of Czech Chemical Society);
- Czech Society of Industrial Chemistry.

Membership in editorial boards of journals:

- associate editor of „Journal of Thermal Analysis and Calorimetry“.

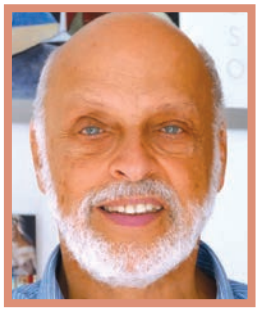
Scientific interest:

Chemistry and synthesis of inorganic materials, especially the research of high performance inorganic pigments and powder materials, their application possibilities for ceramic glazes, organic binders and building materials. High-temperature syntheses of pigments and evaluation of their colour and optical properties, thermal behaviour and stability. Utilization of methods of thermal analysis for solid-state reaction.

Number of Publications: 80
Number of Citations: 399 without self-citations
h-index: 13

Gábor Várhegyi

President of the Working Committee for Thermal Analysis of the Hungarian Academy of Sciences, Hungary



Education and positions

- 1947– Born and elevated in Budapest, Hungary
- 1973–1992: Doctorates in chemistry and chemical engineering: Dr, PhD, Doctor Habil. and DSc
- 1970–Various posts in the Research Centre for Natural Sciences of the Hungarian Academy of Sciences and its predecessors, including Head of Department of Environmental Chemistry (1999-2007). Presently he is an advisor there.

Publications:

- Author/coauthor of 105 English language research papers. *h–index* by Web of Science: 33.
- Citations: 4142 (without self-citations by the Hungarian National Scientific Bibliography); 6122 (total by Google Scholar).

Other:

- President of the Working Committee for Thermal Analysis of the Hungarian Academy of Sciences.

Professor Ranjit K. Verma

Vice president of the Indian Thermal Analysis Society, India

the Pro-Vice-Chancellor of 99-year-old Patna University – the 7th oldest University of India, is the Vice Chairman of the Scientific Commission of ICTAC- the International Confederation for Thermal Analysis and Calorimetry. Earlier, he served as its Secretary (2012-16) and as the Chairman of its Education Committee. He is a member of the Editorial Board of the J. Therm Anal Calorim. and has served as Guest Editor for its special issues as well. He organized a small research group in thermal analysis in Bihar (India) and has been keen to popularize thermal analysis in India by delivering lectures across the country and has been organizing Symposia on Applications of Thermal Analysis and Calorimetry (SATAC's) at different places there. His passion includes solid state thermal decomposition, kinetics, calorimetry and nanotisation.

The schedule of the keynote lectures is as follows:

Time	Speakers	Country	Lecture titles
Wednesday, June 7, 13:30	**Petru Budrugeac**	**Romania**	Estimating Errors In The Determination Of Activation Energy By Nonlinear Methods Applied For Thermoanalytical Measurements
Wednesday, June 7, 13:30	**Victor Ostrovskii**	**Russia**	Forty years with JTAC/JTA: Use of thermodynamic approaches to clarification of the phenomena of catalysis, chemisorption and sorption, polymer formation, wetting, and drying, and living-matter origination, reproduction, and aging
Wednesday, June 7, 16:00	**Barbara Pacewska**	**Poland**	Influence of different activators on hydration processes of fly Ash-Cement mixtures
Thursday, June 8, 13:30	**Valeri A. Drebushchak**	**Russia**	Thermoanalytical investigation of ancient ceramics – theory and practice
Thursday, June 8, 13:30	**Kazuya Saito**	**Japan**	Structural implications for liquid crystals from thermodynamic study
Thursday, June 8, 13:30	**Roger Lalancette**	**USA**	The synergistic relationship between crystallographic studies and the thermochemistry of metal tris-acetylacetonates
Thursday, June 8, 16:00	**Katsumi Katoh**	**Japan**	Relationship between nox generation from nitric acid esters and their thermal decomposition
Friday, June 9, 9:50	**Sergey Verevkin**	**Germany**	Energetics of Ionic Liquids: combination of the differential scanning, combustion and solution calorimetry with the quantum-chemical calculations

Keynote speakers

Petru Budrugeac

INCDIE ICPE-CA National Institute for Research and Development in Electrical Engineering, Bucharest; Faculty of Chemistry, Bucharest University, Romania

Education and scientific degrees:

Faculty of Chemistry – Bucharest University (1967-1972); Ph. D. (1981); Senior researcher (2001-); Associate Professor - Faculty of Chemistry – Bucharest University (2003-)

Present workplaces:

INCDIE ICPE-CA National Institute for Research and Development in Electrical Engineering, Bucharest; Faculty of Chemistry – Bucharest University

Main field of interest:

Non-isothermal and isothermal kinetics; Thermal degradation of polymers and polymeric materials; Application of thermal analysis methods in cultural heritage

Awards:

Nicolae Teclu Price of the Romanian Academy (1990); Best Reviewer Award 2010, given by Journal of Thermal Analysis and Calorimetry (2010)

Number of publications: 169
Number of citations (without self-citations)**:** 1600; $h = 23$

Books: 7 books and chapters in 3 books

Professional activities:

President of the "Romanian Academy Commission of Thermal Analysis and Calorimetry" (2012), Associated Editor of "Journal of Thermal Analysis and Calorimetry" and of "Chemical Papers", Reviewer at 29 ISI scientific journals.

Patents: 3 Romanian patents

Valeri A. Drebushchak

Novosibirsk State University, Russia

Education:

Novosibirsk State University, the Department of Physics (1980)

Scientific degree: Ph.D. (1993)

Employments:

Institute of Geology and Mineralogy SB RAS since 1980, senior researcher 1993 – Present; Novosibirsk State University, 1992–1993, 2001–Present, current position: associate professor at the Department of Physics and at the Department of Natural Sciences (chemistry); Institute of Inorganic Chemistry SB RAS, senior researcher 2003–2011.

Other activity:

Regional Editor of the Journal of Thermal Analysis and Calorimetry.

Recognitions:

1987–1990	Three various awards from the Siberian Branch of Russian Academy of Sciences.
2010	Award from the Journal of Thermal Analysis and Calorimetry (ESTAC-10).
2014	"Best reviewer award 2013" from the Journal of Thermal Analysis and Calorimetry (ESTAC-11).

Katsumi Katoh

Fukuoka University, Japan

Katsumi Katoh is an associate professor of Faculty of Engineering, Fukuoka University. He graduated from The University of Tokyo in 2005 and received a PhD. After graduation, he worked at Research Center of Explosion Safety, the National Institute of Advanced Industrial Science and Technology, AIST, as a special researcher (2005–2009). And, he worked at Faculty of Engineering, Fukuoka University as research associate (2009–2014). Appointed to current position in 2014. He also holds a director of Research Institute of Safety & Medical Engineering in Fukuoka University. The recent interests are the decomposition and combustion kinetics of energetic materials such as gas generators of automotive airbag.

Roger Lalancette

Rutgers University, USA

Dr. Roger Lalancette received his Ph.D. in analytical chemistry from Fordham University, Bronx, NY, USA. He was a post-doctoral associate at Brookhaven National Laboratory in Long Island for one year and then worked at E. I. duPont de Nemours Photo Products Lab in Parlin, NJ for two years before taking a position as Assistant Professor of Chemistry at Rutgers University in Newark, NJ.

He is currently Professor of Chemistry at Rutgers and has over 225 publications, most of which deal with X-ray structural analysis. His research is mainly structural studies in the areas of 1) hydrogen bonding in keto-carboxylic acids, 2) cobalt(III) complexes with various amine ligands, 3) metal(III)AcAc complexes, 4) complexes between dicarboxylic acids and various amines as a function of pH, 5) complexes between a number of "street drugs" (such as methamphetamine, cocaine, "bath salts") and various crystallizing agents such as chloroauric acid and Erdmann's salts.

Victor Ostrovskii

Chief of the Sector of Thermodynamics and Calorimetry of the Karpov Physico-Chemical Research Institute, Russia

Chief of the Sector of Thermodynamics and Calorimetry of the Karpov Physico-Chemical Research Institute, Russia (to 2015).

The author of about 200 experimental, theoretical, instrumental, and generalizing publications; the author of the FOSKA microcalorimeter and (with Dr. Elena Kadyshevich) of the Oscillation theory of heterogeneous catalysis (OTCAT), theory of kinetics of catalysis, and of the theories of life origination (LOH-Theory), mitosis and replication (MRH-Theory), aging and life prolongation, cosmology and Solar System formation and transformation (PFO–CFO Theory), and natural gas formation. J.J. Christensen Memorial Award winner.

Most of the publications are available at the ResearchGate site by the address: https://www.researchgate.net/profile/Victor_Ostrovskii/contributions

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Barbara Pacewska

Past president of the Polish Society of Calorimetry and Thermal Analysis, Poland

Barbara Pacewska is a professor at the Institute of Chemistry, Faculty of Civil Engineering, Mechanics and Petrochemistry, Warsaw University of Technology (Płock, Poland). At present she is Head of Department of Fundamental Chemistry at the institute.
Her main research interests are: calorimetry, thermal analysis and other complementary methods, chemistry of solids, inorganic chemistry, cement materials, sorbents.

She published more than 100 publications in scientific journals and presented over 210 papers (including over 30 published as full papers) at conferences.
Her main activities: lecturer at the University, member of Board of Polish Society of Calorimetry and Thermal Analysis (1994–) and President of this society (2006–2012, 2013–2015), Regional Editor of Journal of Thermal Analysis and Calorimetry (2000–), Guest co-editor or editor of 8 special issues of Journal of Thermal Analysis and Calorimetry, ICTAC Affiliate Councillor for Poland (2008–), Member or Chairperson of Organizing or Scientific Committees of conferences: Seminars to the memory of Prof. S.Bretsznajder (1977–2016), Conferences on Calorimetry and Thermal Analysis (1994–2015) and other conferences.
Main Awards: First Award of the Journal of Thermal Analysis and Calorimetry (2006), Awards of Education Ministry, Award in 4th International Competition EKO 2001, Scientific Awards of Rector of Warsaw University of Technology.

Kazuya Saito

Department of Chemistry, Faculty of Pure and Applied Sciences, University of Tsukuba, Japan

Kazuya SAITO is a full professor at the Graduate School of Pure and Applied Sciences at the University of Tsukuba, Japan. He received his B.S. (1981) and Ph.D. in physical chemistry (1986) at Osaka University, the home of the Japanese school of calorimetry established by Prof. S. Seki, under the direction of Profs. H. Chihara and T. Atake. After passing positions at Tokyo Institute of Technology, Tokyo Metropolitan University and Osaka University, he was promoted to the present position in 2004. His research interests covers physics and chemistry of soft- and hard-condensed matter, instrumentation for thermal experiments, and theory of thermal analysis. He is one of the most active members of the Japan Society of Calorimetry and Thermal Analysis (JSCTA). The honors he has received include the J.J. Christensen Memorial Award (the Calorimetry Conference), JSCTA award, and the Excellent Achievement Award (the Japanese Liquid Crystal Society).

Sergey Verevkin

Professor for Physical Chemistry, University of Rostock, Germany

1. Personal data

Name, First Name, Title: Verevkin, Sergey, Prof. Dr. rer. nat.
Date of Birth, Gender: 31th March 1956, male
Business Address: Institut für Chemie, Dr.-Lorenz-Weg 1, 18059 Rostock
Phone / E-Mail Address: 0381 498 6508 / sergey.verevkin@uni-rostock.de
Position Professor of Physical Chemistry

2. Academic Education

- Study of Chemical Engineering (09/1973-07/1978) at the Kuibyshev Polytechnical Institute, Kuibyshev, USSR Degree: Diploma with honor degree, Supervisor: Prof. Dr. S. V. Levanova

3. Scientific Degrees

- PhD in „Physical Chemistry“, Byelorussian State University, Minsk, USSR, 1984, Advisor: Prof. Dr. A. M. Rozhnov
- Habilitation in „Physical Chemistry“, University of Rostock, 2001, Research Group: Prof. Dr. A. Heintz

4. Academic Career

- since 2010 Professor for Physical Chemistry, University of Rostock
- 2002–2010 Private Docent, University of Rostock
- 1996–2001 Habilitand, University of Rostock
- 1993–1996 Researcher, University of Freiberg
- 1992–1993 Alexander von Humboldt Fellowship, University of Freiburg
- 1989–1992 Group leader, Senior Research Scientist, Samara State Technical University (Russia)
- 1988–1989 DAAD Fellowship, University of Freiburg
- 1984–1989 Research Scientist and Adjunct Professor, Kuibyshev Polytechnical Institute, Kuibyshev, USSR
- 1980–1984 PhD-work with Prof. Dr. A.M. Rozhnov, Kuibyshev Polytechnical Institute, Kuibyshev, USSR
- 1978–1980 Junior Research Scientist, Kuibyshev Polytechnical Institute, Kuibyshev, USSR)

5. Miscellaneous

- 1988 Prize-winner of the Mendeleev Scientific Society (USSR)
- 1988–1989 Fellowship of Foundation DAAD
- 1992–1993 Fellowship of Alexander von Humboldt Foundation
- since 2001 Member of the Advisory Board Journal of Chemical Thermodynamics (Elsevier)
- since 2005 ERASMUS-Program Coordinator, Chemical Department, University of Rostock
- since 2010– Member of the Department „Life, Light and Matter“ of the Interdisciplinary Faculty at the University of Rostock
- since 2011 Member of the Advisory Board Thermochimica Acta (Elsevier)

6. Areas Of Research

- Chemical Thermodynamics and Calorimetry
- Equilibria in Chemically Reacting Systems
- Combustion Calorimetry and Thermochemistry of Organic Compounds
- Determination of Vaporization and Sublimation Enthalpies of Organic Compounds
- Modern Applications of Gas Chromatography
- Radical Chemistry
- Thermophysical Properties of Fluid Mixtures
- Ionic Liquids
- Green Chemistry and Renewable Technologies.
- Polymer Chemistry
- Biofuels

7. Publications

More than 350 papers, more than 150 presentations on National and International Conferences, 4 patents

- Zaitsau, D. H.; Kabo, G.J.; Strechan, A. A. Paulechka, Y. U.; Tschersich, A.; Verevkin, S.P.; Heintz, A. Experimental vapor pressure of 1-Alkyl-3-Methyl-Imidazolium Bis(trifluoromethanesulfonyl) Imides and a correlation scheme for estimation of vaporization enthalpies of ionic liquids. *J. Phys. Chem. A,* **2006**, 110, 7303-7306 (Times Cited: 300)
- Heintz, A.; Kulikov, D.V.; Verevkin, S.P. Thermodynamic Properties of Mixtures Containing Ionic Liquids. 1. Activity Coefficients at Infinite Dilution of Alkanes, Alkenes, and Alkylbenzenes in 4-Methyl-N-Butyl-Pyridinium Tetrafluoroborat Using Gas-Liquid Chromatography. *J. Chem. Eng. Data,* **2001**, 46, 1526-1529 (Times Cited: 161)
- Emel'yanenko, V. N.; Verevkin, S.P.; Heintz, A. The Gaseous Enthalpy of Formation of the Ionic Liquid 1-Butyl-3-Methyl-Imidazolium Dicyanoamide from Combustion Calorimetry, Vapor Pressure Mesurements, and Ab Initio Calculations. *J. Amer. Chem. Soc.* **2007**, *129,* 3930-3937 (Times Cited: 155)
- Schäffner, B., Schäffner, F. Verevkin, S.P. Börner, A. Organic Carbonates as Solvents in Synthesis and Catalysis. *Chemical Reviews* **2010**, 110, 4554-4581 (Times cited: 133)
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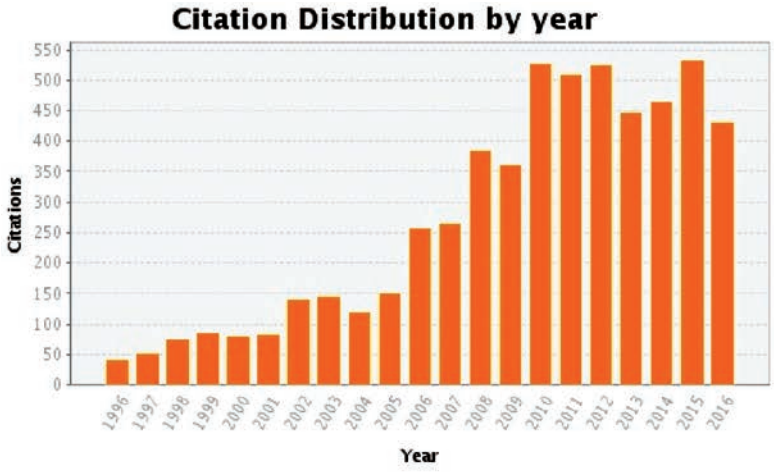

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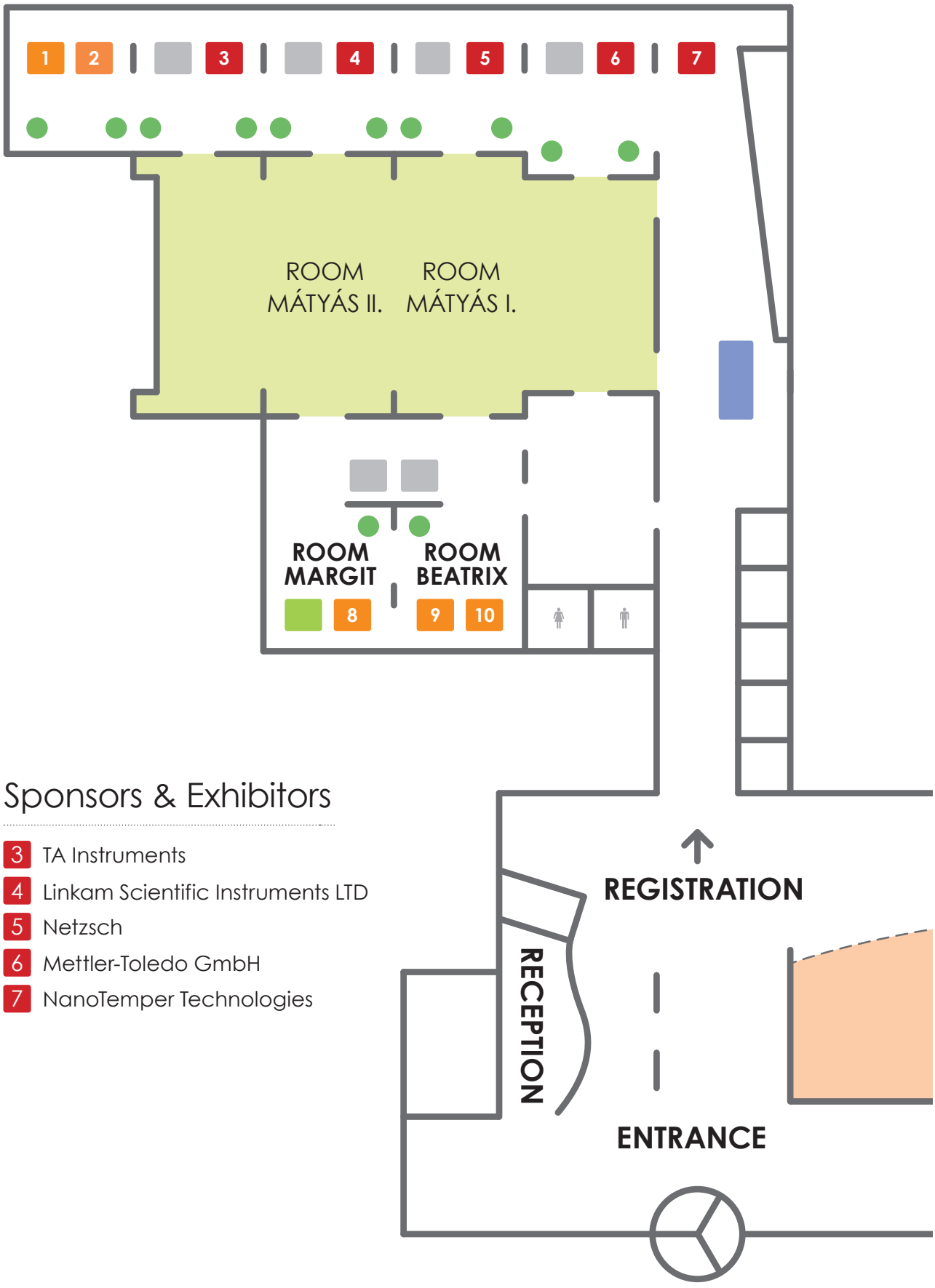

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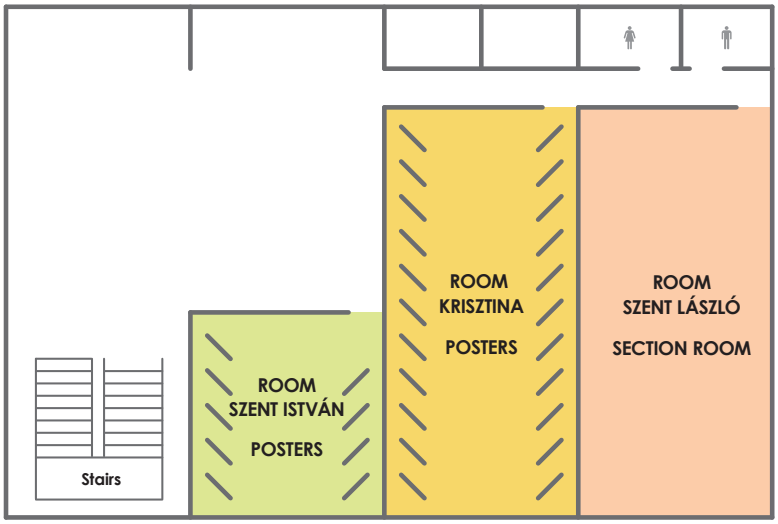

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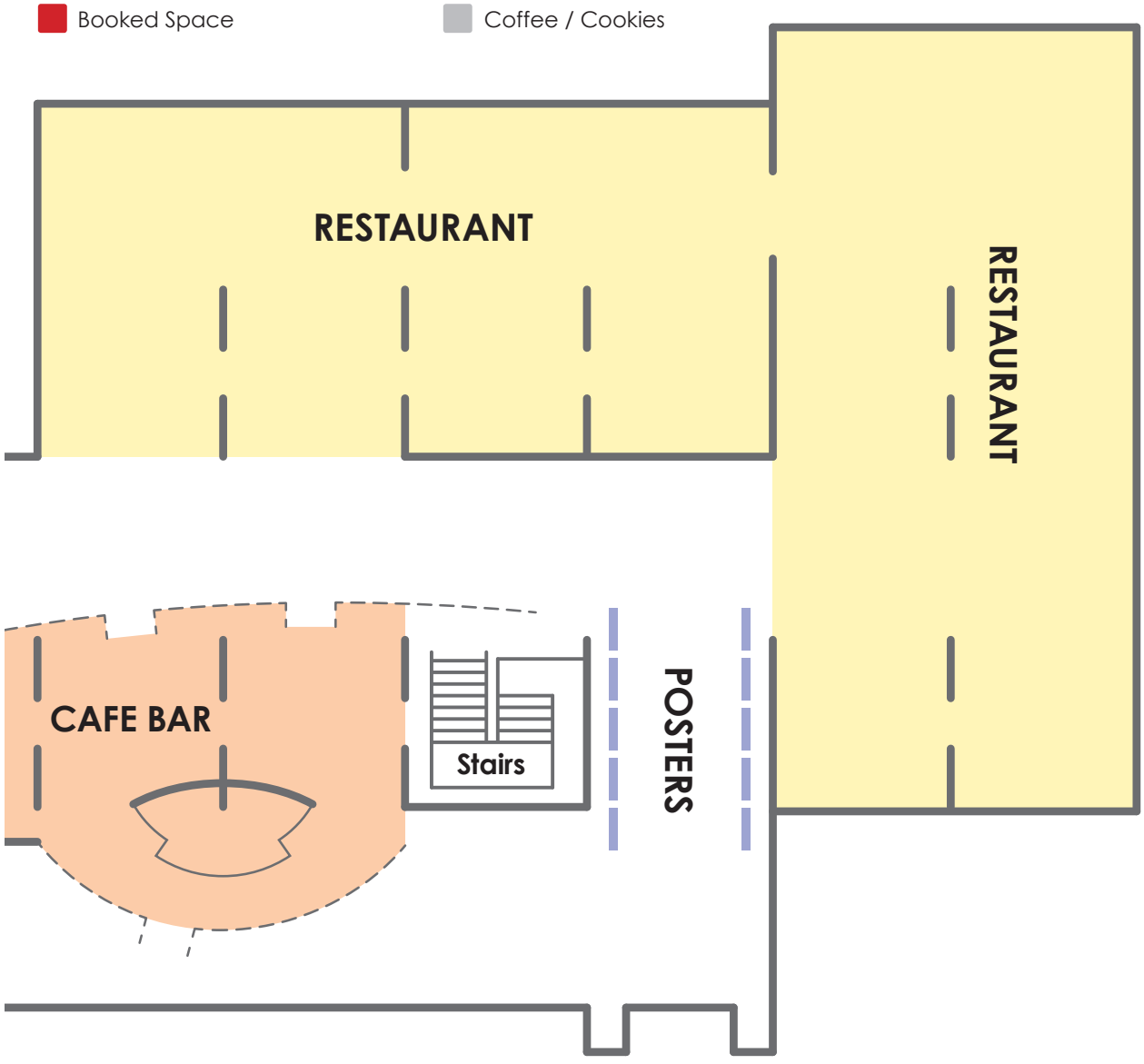

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Oral presentations

- All lecture rooms are equipped with microphone, projector, screen, remote control and laptop with PowerPoint.
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- There will be a technician in each lecture room for assistance if needed.
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Opening hours:

Tuesday, 6 June	12:00–18:00
Wednesday, 7 June	8:00–18:00
Thursday, 8 June	8:00–18:00
Friday, 9 June	8:00–12:00

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- Posters will be viewed during the Poster Shows indicated in the conference program.
- Posters will be displayed in Room Akadémia, Room Szent István, Room Krisztina and the indicated foyers.
- Poster boards will be organized by Sections and reference numbers.

Poster show (on Wednesday, 7 June, at 18:30–19:00):
You can mount your poster from *12:00 o'clock on Tuesday, 6th June* and posters are expected to remain up until the end of the Poster Show. Posters must be taken down no later than *13:00 on Friday on 9th June*.

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Program Overview

		06.06. – Tuesday	06.07. – Wednesday		
			Plenary lecture – Room Mátyás I–II		
	8:30		Plenary lecture – De Clerk Sponsor lecture – Netzsch		
	9:30		Coffee break		
			Section 1 – Room Mátyás I	Section 2 – Room Mátyás II	Section 3 – Room Szent László
	9:50		Mater sci 1 – Šesták 4	Kinetics 1 – Šimon 139	Bio1 – Lőrinczy 46
	10:20		oral – Suslova 111	oral – Koga 87	oral – Kucerik 191
			oral – Aydinyan 74	oral – Jun 90	oral – Cardona 173
			oral – Motoc Luca 50	oral – Pan 201	oral – Lacerda 167
			oral – Eslami 265	oral – Hua 212	oral – Wortmann 148
			oral – Hunyadi 377	oral – Kikuchi 81	oral – Cerc Korošec 130
	12:00		Lunch		
		Registration	Section 1 – Room Mátyás I	Section 2 – Room Mátyás II	Section 3 – Room Szent László
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	14:00		oral – Leglise 161	oral – Kopecskó 366	oral – Janković 113
			oral – Sinyova 126	oral – Vassiliev 188	oral – Morozova 28
			oral – Zvereva 8	oral – Buzin 146	oral – Czégény 155
			oral – Vecchio Ciprioti 134	oral – Prnová 117	oral – Čelan Korošin 120
			oral – Atkinson 94		oral – Schnitzler 250
	15:40		Coffee break		
		Opening ceremony	Section 1 – Room Mátyás I	Section 2 – Room Mátyás II	Section 3 – Room Szent László
16:00	16:00	Welcome speeches	Ceram – Šulcová 52	Cement – Pacewska 166	Polymer – Pielichowski 83
16:40	16:30	JTAC award ceremony	oral – Brandaleze 199	oral – Lakatos 251	oral – Grochowicz 125
17:00		Plenary lectures – Rouquerol (JTAC Scientific Excellence Awardee) + Mahian (Young Scientist Award)	oral – Dweck 169	oral – Šiler 202	oral – Kárpáti 112
18:20		Welcome reception	oral – Vladut 143	oral – Lublóy 193	oral – Rogulska 100
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			oral – Cabral 16	oral – Frías 34	
	18:30		Poster section		
	19:00				

06.08. – Thursday			06.09. – Friday		
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Plenary lecture – Li Sponsor lecture – Nanotemper			Plenary lecture – Sun Sponsor lecture – MT		
Coffee break			Coffee break		
Section 1 – Room Mátyás I	Section 2 – Room Mátyás II	Section 3 – Room Szent László	Section 1 – Room Mátyás I	Section 2 – Room Mátyás II	Section 3 – Room Szent László
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Abbreviations	Sections
Kinetics	Kinetics and catalysis
Mater sci	Materials science
Bio	Bio sciences, including food, soil, textile, wood
Ceram	Ceramics, glasses
Cement	Cements, building materials
Polymer	Polymers
Pharma	Pharmaceuticals
Cult	Cultural heritage, biomaterials
Thermochem	Thermochemistry
Fuel therm haz	Fuels, biofuels, thermal hazards, lifetime prediction
Calor	Calorimetry
Inorganic	Inorganic materials
Theor	Theory, Instrumentation, Thermodynamics, Energy conversion

Oral Presentations

Calorimetry					
	Family name	**First name**	Country	Abstract ID	Abstract title
Invited					
	Arena	**Giuseppe**	ITALY	158	SELF-ASSEMBLING OF CALIXARENE-BASED HOMODIMERIC CAPSULES IN WATER
Oral					
	Mazur	**Karolina Ewelina**	POLAND	224	INFLUENCE OF PARTICLES SHAPE AND SIZE ON THE OXIDATION BEHAVIOUR OF 316L STAINLESS STEEL
	Rauch	**Jürgen**	GERMANY	132	INVESTIGATIONS OF CALORIFIC VALUES OF BIOMETHANE BY GAS CALORIMETRY
	Xu	**Qiang**	CHINA	19	DISCUSS THE HEAT RELEASE CAPACITY OF POLYMER DERIVED FROM MICRO-SCALE COMBUSTION CALORIMETER

Cements, buliding materials					
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	Pacewska	**Barbara**	POLAND	166	INFLUENCE OF DIFFERENT ACTIVATORS ON HYDRATION PROCESSES OF FLY ASH-CEMENT MIXTURES
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	Lakatos	**Ákos**	HUNGARY	251	EFFECT OF THE PLACEMENT IN THE HEAT TRANSFER PROPERTIES OF AEROGEL INSULATION
	Šiler	**Pavel**	CZECH REPUBLIC	202	THE CALORIMETRIC DETERMINATION OF THE INFLUENCE OF ZINC ON THE PORTLAND CEMENT HYDRATION
	Lublóy	**Éva Eszter**	HUNGARY	193	CONCRETE AT HIGH TEMPERATURES
	Scheinherrová	**Lenka**	CZECH REPUBLIC	135	THERMAL ANALYSIS OF TERNARY GYPSUM-BASED BINDERS STORED IN TWO DIFFERENT ENVIRONMENTS
	Frías	**Moisés**	SPAIN	34	THE INFLUENCE OF ZINC OXIDE ON THE REACTIVITY AND HYDRATION HEAT OF COAL MINING WASTE-CEMENT MORTARS

Bio sciences, including food, soil, textile, wood 1					
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	Lőrinczy	**Dénes M.**	HUNGARY	46	NEW POSSIBILITIES OF APPLICATION OF DSC AS A NEW CLINICAL DIAGNOSTIC METHOD
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	Kucerik	**Jiri**	CZECH REPUBLIC	191	INVOLVEMENT OF WATER IN PHYSICOCHEMICAL AGING OF SOIL ORGANIC MATTER
	Cardona	**Yaneth**	COLOMBIA	173	THERMOANALYTICAL INVESTIGATIONS OF HONEY PRODUCED BY TRIGONA SPECIES, USING DIFFERENTIAL SCANNING CALORIMETRY (DSC)

	Lacerda	**Luiz G**	BRAZIL	167	EFFECTS OF GAMMA RADIATION ON THE THERMOANALYTICAL, STRUCTURAL AND PASTING PROPERTIES OF BLACK RICE (Oryza sativa L.) FLOUR
	Wortmann	**Franz J**	UNITED KINGDOM	148	DSC versus tensile testing: Are they equivalent approaches to assess the properties of treated human hair?
	Cerc Korošec	**Romana**	SLOVENIA	130	THERMOGRAVIMETRY AS A POSSIBLE EXTERNAL CONTROL FOR DETERMINATION OF THERMAL MODIFICATION DEGREE OF WOOD
Biosciences, including food, soil, textile, wood 2					
	Family name	**First name**	Country	Abstract ID	Abstract title
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	Gonçalves Mothé	**Cheila**	BRAZIL	55	KINETIC PARAMETERS OF THERMAL DECOMPOSITION OF BIOMASS RESIDUE
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	Janković	**Bojan Ž**	SERBIA	113	CHARACTERIZATION ANALYSIS OF RAW AND PYROLYSED PLANE TREE SEED (PTS) SAMPLES FOR ITS APPLICATION IN CARBON CAPTURE AND STORAGE (CCS) TECHNOLOGY
	Morozova	**Ksenia**	ITALY	28	Monitoring of Grape Respiration and Fermentation by Isothermal Calorimetry
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	ČELAN KOROŠIN	**NATAŠA**	SLOVENIA	120	THE STUDY OF INTUMESCENT COATINGS FOR WOOD WITH DIFFERENT THERMOANALYTICAL TECHNIQUES
	Schnitzler	**Egon**	BRAZIL	250	INFLUENCE OF THE ADDITION OF HYDROCOLLOIDS ON THE THERMAL, PASTING AND STRUCTURAL PROPERTIES OF STARCH FROM COMMON VETCH (Vicia sativa sp)
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	Family name	**First name**	Country	Abstract ID	Abstract title
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	Eusébio	**M. Ermelinda S.**	PORTUGAL	170	THERMAL ANALYSIS IN THE INVESTIGATION OF PHARMACEUTICAL COCRYSTALS: CASE STUDIES
	Regdon, jr.	**Géza**	HUNGARY	79	IMPORTANCE OF THERMAL ANALYSIS IN THE DEVELOPMENT, PREPARATION AND INVESTIGATION OF SOLID DOSAGE FORMS BY PRESENTING OUR OWN EXPERIENCE
	Wang	**Xue-Jie**	CHINA	54	STUDY ON THE THERMAL DECOMPOSITION OF FAMCICLOVIR
	Bauer	**Joanna**	POLAND	218	ANALYSIS OF SUPERFICIAL TEMPERATURE DISTRIBUTION CHANGES DUE TO SMARTPHONES' USAGE

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	Grochowicz	**Marta**	POLAND	125	SYNTHESIS AND THERMAL CHARACTERIZATION OF POLYMERIC MICROSPHERES WITH GRAFTED POLY(GERANYL METHACRYLATE) CHAINS
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Thermochemistry					
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Kinetics and catalysis 1					
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	Jun	**Zhang**	CHINA	90	THERMAL DECOMPOSITION CHARACTERISTIC AND KINETICS OF DINA
	Pan	**Xuhai**	CHINA	201	THERMAL STABILITY EVALUATION OF TERT-BUTYL PEROXYBENZOATE MIXED WITH TOLUENE AND 4-TERT-BUTYLCATECHOL
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	Logvinenko	**Vladimir A.**	RUSSIA	62	THERMAL (KINETIC) STABILITY OF INCLUSION COMPOUNDS WITH [ZN2(TDC)2(DABCO)] FRAMEWORK AND BENZENE, TOLUENE, O–, M–, P– XYLENES GUEST MOLECULES
	Kim	**Yoocheon**	SOUTH KOREA	168	LIFETIME PREDICTION OF ENERGETIC MATERIALS USING ADVANCED ISOCONVERSIONAL DECOMPOSITION KINETICS

Kinetics and catalysis 4					
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	Várhegyi	**Gábor**	HUNGARY	71	TOWARDS A MEANINGFUL NON-ISOTHERMAL KINETICS FOR BIOMASS MATERIALS AND OTHER COMPLEX ORGANIC SAMPLES
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	Cheng	**Yi**	CHINA	115	THE HISTORY, DEVELOPMENT AND CHALLENGE OF KINETIC METHODS IN THERMAL ANALYSIS
	AVENDAÑO-SALAZAR	**CARLOS A**	MEXICO	47	ACTIVATION ENERGY VALUES COMPARISON FROM THERMAL AND PHYSICOCHEMICAL CHARACTERIZATION STUDIES FOR MEDIUM MEXICAN CRUDE OIL SAMPLES

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	Drebushchak	**Valeri A.**	RUSSIA	12	THERMOANALYTICAL INVESTIGATION OF ANCIENT CERAMICS – THEORY AND PRACTICE

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	Odlyha	**Marianne**	UNITED KINGDOM	308	APPLICATION OF HUMIDITY CONTROLLED DYNAMIC MECHANICAL (DMA-RH) AND DIELECTRIC ANALYSIS (DETA-RH) FOR EVALUATION OF NANO-PARTICLE AND NANOCELLULOSE BAS
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	Vykydalova	**Anna**	SLOVAKIA	141	THERMOOXIDATIVE STABILITY OF BEESWAX SAMPLES STUDIED BY DSC MEASUREMENTS
	Badea	**Elena**	ROMANIA	78	REAL-TIME DIAGNOSIS OF COLLAGEN-BASED ARTWORKS BY THERMAL SHRINKAGE IMAGING
	Jakab	**Emma**	HUNGARY	220	THERMAL DECOMPOSITION OF CHEMICALLY TREATED CELLULOSIC FIBERS
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	Verma	**Ranjit K.**	INDIA	175	APPLYING THERMAL ANALYSIS IN SYNTHESIZING FERRITE NANOPARTICLES
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	Nagygyörgy	**Viola**	HUNGARY	172	THERMOANALYTICAL STUDIES ON UREASIL-TYPE GELS FILLED WITH ELECTROLYTES CONTAINING 1-METHYL-3-PROPYLIMIDAZOLIUM IODIDE FOR QUASI-SOLID-STATE DYE-SENS
	Pelovski	**Yoncho G.**	BULGARIA	80	THERMAL STUDIES FOR UTILIZATION OF SULPHATE WASTES
	BENAVIDEZ	**EDGARDO R**	ARGENTINA	75	MASTER DECOMPOSITION CURVE OF CARBONACEUOS MATERIALS USED IN CASTING POWDERS
	Kaljuvee	**Tiit**	ESTONIA	64	INFLUENCE OF THE POST-GRANULATION TREATMENT ON THE THERMAL BEHAVIOUR OF ESTONIAN OIL SHALE ASHES
	Palou	**Martin**	SLOVAKIA	38	THE EFFECT OF METAKAOLIN UPON THE FORMATION OF ETTRINGITE
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	Šulcová	**Petra**	CZECH REPUBLIC	52	THE USE OF THERMOANALYTICAL METHODS IN THE FIELD OF INORGANIC PIGMENTS
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	Brandaleze	**Elena**	ARGENTINA	199	KINETIC STUDIES OF FLUORIDE EVAPORATION FROM CASTING POWDERS
	DWECK	**JO**	BRAZIL	169	NIOBIUM OXIDE COATING ANTICORROSIVE STABILITY : EVALUATION BY DSC REAL TIME VIEW AND THERMOGRAVIMETRY
	Vladut	**Maria Cristina**	ROMANIA	143	THERMAL BEHAVIOUR OF MN DOPED ZNO OBTAINED BY SOL-GEL METHOD
	Csáki	**Štefan**	CZECH REPUBLIC	41	TEMPERATURE DEPENDENCE OF AC CONDUCTIVITY OF AN ILLITIC CLAY
	CABRAL	**ALUISIO ALVES**	BRAZIL	16	EFFECTS OF THE PARTICLE SIZE AND HEATING RATE ON NONISOTHERMAL CRYSTALLIZATION IN A LITHIUM DISILICATE GLASS

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	Šesták	**Jaroslav**	CZECH REPUBLIC	4	THERMAL ANALYSIS THERMODYNAMICS, OFF-EQUILIBRIUM TEMPERATURE AND IMPACT OF NANOSYSTEMS
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	Suslova	**Evgeniya V.**	RUSSIA	111	THE EFFECT OF PHYSICO-CHEMICAL CHARACTERISTICS OF CARBON AND N-DOPED CARBON NANOMATERIALS ON THE ENTHALPY OF THEIR FORMATION
	Aydinyan	**Sofiya**	ESTONIA	74	PREPARATION OF NANOSIZE Mo2C BY COMBINING SOLUTION COMBUSTION SYNTHESIS WITH SUBSEQUENT FAST HEATING
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	Hunyadi	**Dávid**	HUNGARY	377	WO3-EDA HYBRID CATALYST: SYNTHESIS, CHARACTERIZATION AND THERMAL DECOMPOSITION
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	Leglise	**Mélissa**	FRANCE	161	THERMODYNAMIC CALCULATIONS AND THERMAL PROPERTIES OF COBALT BASED CHROMIA-FORMING CAST SUPERALLOYS REINFORCED BY MC TYPE CARBIDES
	Sinyova	**Svetlana**	RUSSIA	126	PHASE DIAGRAM OF CO-CU-NI SYSTEM
	Zvereva	**Irina**	RUSSIA	8	THERMAL ANALYSIS AND CALORIMETRY FOR MATERIALS SCIENCE IN SAINT PETERSBURG STATE UNIVERSITY
	Vecchio Ciprioti	**Stefano**	ITALY	134	SYNTHESIS, THERMAL AND STRUCTURAL CHARACTERIZATION OF ALUMINA-PILLARED a-TITANIUM HYDROGENPHOSPHATES FOR CATALYTIC APPLICATIONS
	Atkinson	**Irina**	ROMANIA	94	INFLUENCE OF CERIUM ADDITON ON THE CRYSTALLIZATION BEHAVIOUR AND PROPERTIES OF THE BIOACTIVE GLASSES IN THE SiO_2 –CAO-P_2O_5 SYSTEM
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	Drozdová	**Ľubomíra**	CZECH REPUBLIC	234	STUDY OF PHASE TRANSFORMATIONS TEMPERATURES OF ALLOYS BASED ON Fe-C-Cr IN HIGH TEMPERATURE AREA
	Zlá	**Simona**	CZECH REPUBLIC	231	CALORIMETRIC MEASUREMENTS OF Fe-C-Cr BASED METALLIC SYSTEMS WITH USE OF DSC METHOD
	AYDIN	**ERDEM**	TURKEY	45	CHARACERIZATION OF WEATHERSTRIP PROFILE CURING STATE DURING EXTRUSION
	Mıhçı	**Fatma**	TURKEY	65	INVESTIGATION OF STRUCTURAL CHANGES OF ADHESION PROMOTER COMMERCIAL INTERFACE COATING DEPENDING ON DIE TEMPERATURE
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	Saito	**Kazuya**	JAPAN	60	STRUCTURAL IMPLICATIONS FOR LIQUID CRYSTALS FROM THERMODYNAMIC STUDY
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	Iqbal	**Sadia Sagar**	PAKISTAN	121	ABLATION, THERMAL STABILITY/TRANSPORT/PHASE TRANSITION STUDY OF CARBON NANOFIBER REINFORCED ELASTOMERIC NANOCOMPOSITES
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	Predoana	**Luminita**	ROMANIA	72	CONTRIBUTIONS TO THE THERMAL ANALYSIS OF SOL-GEL DERIVED GELS AND POWDERS
	Basso	**Giulia**	ITALY	142	MODIFICATION OF COMMERCIAL AND HIGH PURITY ALSI5CU1MG ALLOYS BY CA AND SR ADDITIONS
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	Smetana	**Bedřich**	CZECH REPUBLIC	245	LIQUIDUS, SOLIDUS AND PERITECTIC TRANSFORMATION TEMPERATURES OF Fe-C-Cr BASED METALLIC ALLOYS
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	Ondruška	**Ján**	SLOVAKIA	133	INVESTIGATION OF KAOLINE-QUARTZ MIXTURES DURING HEATING USING DC THERMOCONDUCTOMETRY

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	Xiao	**Yang**	CHINA	154	EFFECT ON IMIDAZOLIUM-BASEDIONIC LIQUIDS TO THE ACTIVITIES OF COAL MICROSTRUCTURE AND OXIDATION
	Kozlov	**Alexander**	RUSSIA	150	FEATURES DEFINITIONS GAS COMPONENTS BY METHOD STA-MS
	Maaten	**Birgit**	ESTONIA	138	MINERAL MATTER EFFECT ON THE DECOMPOSITION OF CA-RICH OIL SHALE
	Dudek	**Magdalena**	POLAND	36	UTILIZATION OF COMPOSITE FUELS : COALS IN COMBINATION WITH WASTE SOLID PRODUCTS FROM FOOD INDUSTRY IN DIRECT CARBON FUEL CELL TECHNOLOGY

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Bauer	**Joanna**	POLAND	219	THERMAL IMAGING AS A POTENTIAL TOOL FOR OBJECTIVE AND AUTOMATIC DIAGNOSIS OF THE STAGE OF PANICULOPATHY	Bauer, Joanna; Dereń, Ewelina; Migasiewicz, Agnieszka; Podbielska, Halina
Lőrinczy	**Dénes M.**	HUNGARY	127	DETECTION OF JOINT CAPSULE CHANGES BY DIFFERENTIAL SCANNING CALORIMETRY (DSC) IN DIFFERENT TYPES OF HIP DISORDERS TO EVALUATE SURGICAL TECHNIQUES	Lőrinczy, Dénes M.; Bűcs, Gábor; G. Nöt, László; Dandé, Árpád; Wiegand, Norbert
Conceicao	**Marta M.**	BRAZIL	248	CHARACTERIZATION OF MICROCAPSULES OF CASEINATES LOADED WITH RED PROPOLIS EXTRACT	Conceicao, Marta M; Almeida, Clinston P; Wanderley, Amanda B; Santos, Felipe J L B; Silva, Valdemir C; Redondo, Gerson P; Basílio-Júnior, Irinaldo D; Santos, Ana F O; Nascimento, Ticiano G
Lőrinczy	**Dénes M.**	HUNGARY	77	DIFFERENTIAL SCANNING CALORIMETRY ANALYSIS OF HUMAN SYNOVIAL FLUID SAMPLES IN THE DIAGNOSTICS OF SEPTIC ARTHRITIS	Lőrinczy, Dénes M.; Dandé, Árpád; Nöt, László G.; Bücs, Gábor; Wiegand, Norbert; Kocsis, Béla
Danthine	**Sabine M. E. N.**	BELGIUM	281	INVESTIGATION OF SHEA BUTTER CRYSTALLIZATION BEHAVIOR BY COMBINED DSC AND POWDER X-RAY DIFFRACTION	Danthine, Sabine M. E. N.; Gibon, Véronique; Blecker, Christophe
Bauer	**Joanna**	POLAND	349	THERMAL IMAGING FOR EVALUATION OF POLYTHERAPY EFFICACY	Dereń, Ewelina; Podbielska, Halina; Boerner, Ewa; Bauer, Joanna
Lacerda	**Luiz G.**	BRAZIL	249	SYNTHESIS, CHARACTERIZATION AND THERMOANALYTICAL STUDY OF NATIVE AND HYDROTHERMAL MODIFIED RICE STARCH-ZINC INCLUSION COMPLEXES	Lacerda, Luiz G; Henning, Fernanda G.; Demiate, Ivo M.; Schnitzler, E.; Carvalho FIlho, Marco A. S.
Marudova	**Maria G.**	BULGARIA	247	EFFECT OF EMULSIFIERS ON THE STARCH RETROGRADIATION IN SPONGE CAKES DURING STORAGE	Marudova, Maria G.; Stankov, Stanko S.; Baeva, Marianna R.
Marudova	**Maria G.**	BULGARIA	277	INVESTIGATION OF FATTY ACID THERMAL TRANSITIONS AND STABILITY IN POULTRY PATES ENRICHED WITH VEGATABLE COMPONENTS	Marudova, Maria G.; Momchilova, Maria; Antova, Ginka; Petkova, Zhana; Yordanov, Dinko; Zsivanovits, Gabor
Gonçalves Mothé	**Cheila**	BRAZIL	56	THERMAL CHARACTERIZATION OF OPOTHERAPEUTICS BY TG/DTA AND DSC	Gonçalves Mothé, Cheila; Frickmann, Fernando; R. Araujo, Carla; F.C. Sérvulo, Eliana
Pelovski	**Yoncho G.**	BULGARIA	331	THERMAL PROPERTIES OF SOME TREATED WASTES FROM PAPER INDUSTRY	Pelovski, Yoncho G.; Serafimova, E.S; Stoyanova, V.P.
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Serafimova	**Ekaterina**	BULGARIA	332	THERMAL ANALYSIS OF WASTE SLUDGE FROM MUNISIPAL WASTEWATER TREATMENT PLANT	Serafimova, Ekaterina; Pelovski, Y.G.

Torres S.	**Diana A.**	COLOMBIA	315	DIFFERENTIATION OF MELIPONA HONEY SAMPLES FROM DIFFERENT BOTANICAL ORIGINS BY DSC/TGA USING MULTIVARIATE ANALYSIS AND CONGLOMERATE ANALYSIS	Torres S., Diana A.; Cardona, Yaneth; Hoffmann, Wolfgang; Pinzón, Fernando; Torres, Patricia; Carrillo, Fernando
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Amado	**Eliseo**	COLOMBIA	259	THERMOKINETICS OF IONIC LIQUIDS DERIVED FROM ORGANIC ACIDS	Amado, Eliseo; Florez, Sebastian; Chiappo, Gabriel
Amado	**Eliseo**	COLOMBIA	324	TERMOGRAVIMETRIC ANALYSIS OF THE TETRA ALKYL AMMONIUM SALTS WITH SYMMETRICAL AND ASYMMETRICAL HYDROCARBON CHAIN LENGTH	Amado, Eliseo
Mato	**Marta M**	SPAIN	271	STUDY OF BACTERIAL SENSITIVITY IN ZINC SULFATE SOLUTIONS BY MICROCALORIMETRY	Mato, Marta M; Aveledo, Ricardo; Aveledo, Alberto; Vazquez, Cristina; Ramos, Miguel; Lago, Natividad; Legido, José L.
Bursíková	**Petra**	CZECH REPUBLIC	282	THE BEHAVIOR OF POLYMERS BY HEATING UNDER INCREASED PRESSURE	Bursíková, Petra; Friedrichová, Romana
Fukui	**Satomi**	JAPAN	293	COMPARISON OF THERMAL DECOMPOSITION BEHAVIOUR OF NITRIC ACID ESTERS AND ABEL TEST RESULTS	Fukui, Satomi; Higashi, Eiko; Okada, Ken; Matsunaga, Hiroki; Katoh, Katsumi
LEGIDO	**JOSÉ L.**	FRANCE	272	THERMAL PROPERTIES OF PELOIDES USED IN THERMAL CENTERS FOR THERMOTHERAPEUTIC PURPOUSES	LEGIDO, JOSÉ L.; Gomez, Carmen P; Casás, Lidia; Mato, Marta M; Mourelle, M Lourdes
Jaćimović	**Željko**	MONTENEGRO	278	SYNTHESIS AND CHARACTERIZATION OF COPPER, NICKEL, COBALT, ZINC COMPLEXES WITH 4-NITRO-3-PYRAZOLECARBOXYLIC ACID LIGAND	Jacimovic, Zeljko; Kosović, Milica; Kastratović, Vlatko; Barta Holló, Berta; Leovac, Vukadin; Mészáros Szécsényi, Katalin
Milovanovic	**Milan**	FRANCE	15	Benchmarking to DFT-D calculations by ITC experimental data	Milovanovic, Milan; Zarić, Snežana; Djukic, Jean-Pierre; Grimme, Stefan; Dohm, Sebastian; Hansen, Andreas
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Salamon	**Beata**	POLAND	124	Phase equilibria in CeBr3-TlBr pseudobinary system	Salamon, Beata; Szczygieł, Irena; Kapała, Jan; Rycerz, Leszek
Zauer	**Mario**	GERMANY	76	DETERMINATION OF HYGROSCOPIC PROPERTIES OF WOOD BY MEANS OF DIFFERENTIAL SCANNING CALORIMETRY	Zauer, Mario; Kretzschmar, Jens; Pfriem, Alexander; Wagenführ, André
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Janković	**Marija M.**	SERBIA	236	THERMAL ANALYSIS TESTING AND NATURAL RADIOACTIVITY CHARACTERIZATION OF KAOLIN AS BUILDING MATERIAL	Janković, Marija M.; Janković, Bojan Ž.; Marinović-Cincović, Milena T.; Todorović, Dragana J.; Sarap, Nataša B.
Kuzielová	**Eva**	SLOVAKIA	347	RELATIONSHIP AMONG PHASE COMPOSITION – PORE STRUCTURE – STRENGTH CHARACTERISTICS OF HYDROTHERMALLY CURED CEMENT CLASS G	Kuzielová, Eva; Žemlička, Matúš; Másilko, Jiří; Palou, Martin T.

Kuzielová	**Eva**	SLOVAKIA	39	INFLUENCE OF ADDITIVES ON THE PERFORMANCE OF AUTOCLAVED CEMENT CLASS G	Eva Kuzielová, Matúš Žemlička, Martin T. Palou
Pacewska	**Barbara**	POLAND	355	STUDIES OF THE EFFECT OF WASTE ALUMINOSILICATE ON CALCIUM ALUMINATE CEMENT HYDRATION PROCESS BY CONDUCTOMETRY AND THERMAL ANALYSIS	Pacewska, Barbara; Nowacka, Mariola
Palou	**Martin**	SLOVAKIA	353	THERMAL ANALYSIS OF HYDRATION PRODUCTS OF CEMENTS HYDROTHERMALLY CURED	Palou, Martin; Kuzielová, Eva; Žemlička, Matúš; Másilko, Jiří
Sanchez de Rojas	**M. Isabel**	SPAIN	174	EFFECT OF POZZOLANICITY ON THE HEAT OF HYDRATION IN MORTARS BEARING FIRED CLAY-BASED WASTE	Sanchez de Rojas, M. Isabel
Žemlička	**Matúš**	SLOVAKIA	356	EVALUATION OF TEMPERATURE INFLUENCE ON THE HYDRATION OF BINARY SYSTEMS COMPRISING OF PORTLAND CEMENT - METAKAOLIN AND PORTLAND CEMENT - SLAG	Žemlička, Matúš; Kuzielová, Eva; Boháč, Martin; Novotný, Radoslav; Palou, Martin T.

CERAMICS, GLASSES

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Černá	**Andrea**	SLOVAKIA	101	CONFIGURATION ENTROPY AND VISCOSITY OF GLASSES FOR CHROMPIC VITRIFICATION	Černá, Andrea; Chromčíková, Mária; Macháček, Jan; Hruška, Branislav; Liška, Marek
Chromčíková	**Mária**	SLOVAKIA	97	STRUCTURAL RELAXATION OF LEAD AND BARIUM FREE CRYSTAL GLASSES	Chromčíková, Mária; Gašpáreková, Eleonóra; Černá, Andrea; Hruška, Branislav; Liška, Marek
Hruška	**Branislav**	SLOVAKIA	98	THERMODYNAMIC MODEL AND HIGH TEMPERATURE RAMAN SPECTRA OF 25Na2O.75B2O3 GLASSFORMING MELTS	Hruška, Branislav; Osipov, Armenak A.; Osipova, Leyla M.; Chromčíková, Mária; Černá, Andrea; Liška, Marek
Húlan	**Tomáš**	SLOVAKIA	280	ACOUSTIC EMISSION DURING FREEZE-THAW CYCLING OF ILLITE-BASED CERAMICS	Húlan, Tomáš; Csáki, Štefan; Knapek, Michal; Dobroň, Patrik; Chmelík, František
TORRES S.	**DIANA A.**	COLOMBIA	362	THERMAL CHARACTERIZATION OF CLAYS FROM EL ZULIA, NORTE DE SANTANDER, COLOMBIA	Torres S., Diana A.; Chaparro G., Amanda L.; Sanchez M., Jorge; Mora B., Ricardo L.
Pet'kov	**Vladimir I.**	RUSSIA	360	CHARACTERIZATION AND CONTROLLING THERMAL EXPANSION OF MATERIALS WITH KOSNARITE- AND LANGBEINITE-TYPE STRUCTURES	Pet'kov, Vladimir I.; Shipilov, Alexander S.; Dmitrienko, Anton S.; Alekseev, Artemy A.
Maximina	**Romero**	SPAIN	274	ESTIMATION OF THE AMORPHOUS/CRYSTALLINE RELATION IN GLASS-CERAMIC MATERIALS BY MEANS OF DIFFERENTIAL SCANNING CALORIMETRY	Maximina, Romero; Jiménez, Ismael
Sitek	**Ryszard**	POLAND	358	DETECTION OF THE SURFACE STRUCTURE DEFECTS IN CERAMIC SHELL MOLDS USING A THERMOVISUAL CAMERA	Sitek, Ryszard; Wisniewski, Pawel; Mizera, Jaroslaw
Sitek	**Ryszard**	POLAND	359	MANUFACTURE OF CERAMIC SHELL MOLDS; MONITORING THE PROCESSES WITH THE USE OF A THERMO-VISUAL CAMERA	Sitek, Ryszard; Wisniewski, Pawel; Zaba, Krzysztof; Mizera, Jaroslaw
Vladut	**Maria Cristina**	ROMANIA	185	THERMAL INVESTIGATIONS ON THE Sn-Zn-O GELS OBTAINED BY SOL-GEL METHOD	Vladut, Maria Cristina; Mihaiu, Susana; Szilágyi, Imre M.; Kovács, Teodóra Nagyné; Atkinson, Irina; Mocioiu, Oana C.; Pandele-Cusu, Jeanina; Petrescu, Simona; Zaharescu, Maria

Pawel	**Wisniewski**	POLAND	350	ASSESMENT OF INFRARED DRYING TIME OF CERAMIC SHELL MOLDS WITH USE OF THERMAL IMAGING CAMERA	Pawel, Wisniewski; Ryszard, Sitek; Mateusz Konrad, Koralnik; Joanna, Szymanska; Jaroslaw, Mizera
Pawel	**Wisniewski**	POLAND	351	EVALUATION OF COOLING TIME OF SiC CERAMIC MOLD USING THERMAL IMAGING CAMERA	Pawel, Wisniewski; Ryszard, Sitek; Mateusz Konrad, Koralnik; Rafal, Cygan; Paulina, Wawulska-Marek; Jaroslaw, Mizera
CULTURAL HERITAGE					
Family name	**First name**	Country	Abstract ID	Abstract title	Authors
Badea	**Elena**	ROMANIA	354	A STUDY OF DETERIORATION OF OLD PARCHMENT BOOKBINDINGS USING THERMAL MICROSCOPY, MICRODSC AND FTIR-ATR	Badea, Elena; Carsote, Cristina; Miu, Lucretia; Della Gatta, Giuseppe
Kristály	**Ferenc**	HUNGARY	372	PHYTOLITE FORMATION MODELED BY LABORATORY EXPERIMENTS	Kristály, Ferenc; Papp, István; A. Gömze, László
Odlyha	**Marianne**	UNITED KINGDOM	320	THERMAL ANALYSIS OF HISTORICAL EARTHEN MATERIALS	Odlyha, Marianne; Cavicchioli, A; Cavalcanti, Lauro M
ENERGETIC MATERIALS					
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Babinszki	**Bence**	HUNGARY	235	EFFECT OF INORGANIC IONS DURING TORREFACTION OF BIOMASS MATERIALS	Babinszki, Bence; Barta-Rajnai, Eszter; Jakab, Emma; Czégény, Zsuzsanna; May, Zoltán
Barta-Rajnai	**Eszter**	HUNGARY	229	TORREFACTION STUDY OF THREE TYPICAL HUNGARIAN BIOMASS MATERIALS	Barta-Rajnai, Eszter; Sebestyén, Zoltán; Jakab, Emma; Czégény, Zsuzsanna
Ściążko	**Marek**	POLAND	330	INVESTIGATIONS ON BOTH REACTIVITY AND REDOX REACTIONS KINETICS FOR CERTAIN	Ściążko, Marek; Ksepko, Ewelina; Babinski, Piotr
Nakashima	**Miho**	JAPAN	291	INFLUENCE OF FUEL-OXIDIZER RATIO ON THE THERMAL DECOMPOSITION AND COMBUSTION BEHAVIOUR OF GUANIDINE NITRATE/BASIC COPPER NITRATE MIXTURES	Nakashima, Miho; Matsunaga, Hiroki; Higashi, Eiko; Takagi, Sousuke; Katoh, Katsumi
Nakashima	**Miho**	JAPAN	345	THERMAL DECOMPOSITION AND COMBUSTION BEHAVIOURS OF GUANIDINE NITRATE/BASIC COPPER NITRATE/METAL OXIDE MIXTURES	Nakashima, Miho; Matsunaga, Hiroki; Higashi, Eiko; Takagi, Sousuke; Katoh, Katsumi
ENERGY CONVERSION AND STORAGE					
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