



CEEC-TAC4
4th Central and Eastern European Conference on
Thermal Analysis and Calorimetry
28-31 August 2017
Chisinau, Moldova



CEEC-TAC4

4th Central and Eastern European Conference on Thermal Analysis and Calorimetry

28-31 August 2017 – Chisinau, Moldova

www.ceec-tac.org



**MOLDOVA
STATE
UNIVERSITY**



**Institute of
Chemistry of ASM**



**Faculty of Physics
& Engineering
of USM**



**Institute of Applied
Physics of ASM**



**Faculty of Chemistry &
Chemical Technology
of USM**



**Tiraspol
State
University**



Platinum Sponsor



Gold Sponsor



Gold Sponsor



Gold Sponsor

Co-Chairmen: Tudor Lupascu (Moldova) & Andrei Rotaru (Romania)

Vice-Chairman: Florentin Paladi – ViceRector of Moldova State University

International Organizing Committee

Petru Budrugaec

Commission for Thermal Analysis and Calorimetry
of the Romanian Academy

Matko Erceg

Croatian Society for Thermal Analysis and Calorimetry

Konstantin S. Gavrichev

National Committee of Russia on Thermal Analysis and Calorimetry

Janos Kristof

Thermoanalytical Branch of the Hungarian Chemical Society

Giuseppe Lazzara

Interdivisional Group of Calorimetry and Thermal Analysis of the
Italian Society of Chemistry

Vesa-Pekka Lehto

Finnish Thermal Analysis and Calorimetry Division

Vilma Petkova

Bulgarian Society of Thermal Analysis and Calorimetry

Krzysztof Pielichowski

Polish Society of Calorimetry and Thermal Analysis

Peter Simon

Slovak Group for Thermal Analysis and Calorimetry

Petra Sulcova

Czech Working Group for Thermal Analysis

Dirk Walter

Gesellschaft für Thermische Analyse e.V

Dragana Zivkovic

Serbian Thermal Analysis and Calorimetry Committee

Milan Antonijevic (United Kingdom)

Mihaela Badea (Romania)

Barbara Becker (Poland)

Andrey Blokhin (Belarus)

Anatolie Casian (Moldova)

Romana Cerc-Korosec (Slovenia)

Attilio Cesaro (Italy)

Konstantinos Chrissafis (Greece)

Eduard Coropceanu (Moldova)

Herbert Danninger (Austria)

Nikolay Gelfond (Russia)

Kataryna Gyoryova (Slovakia)

Dimitri Ivanov (France)

Mykola T. Kartel (Ukraine)

Mustafa Versan Kok (Turkey)

Wim de Klerk (Netherlands)

Jiri Kucerik (Czech Republic)

Jiri Malek (Czech Republic)

Dragan Manasijevic (Serbia)

Daumantas Matulis (Lithuania)

Jozef Medved (Slovenia)

Alfred Menyhard (Hungary)

Gundars Mezinskis (Latvia)

Rouslan I. Moustafine (Russia)

Cristian-Andi Nicolae (Romania)

Nina Obradovic (Serbia)

Enisa Omanovic-Miklicanin (Bosnia&Herzegovina)

Oleg Petuhov (Moldova)

Crisan Popescu (Germany)

Stanislaw L. Randzio (Poland)

Nicu D. Scarisoreanu (Romania)

Anatolie Sidorenko (Moldova)

Piotr Staszczuk (Poland)

Natasa Stipanelov Vrandecic (Croatia)

Muhamed Suceska (Croatia)

Victor Tapcov (Moldova)

Alexander Toikka (Russia)

Andres Trikkel (Estonia)

Dimitrinka Tsocheva (Bulgaria)

Sergey Verevkin (Germany)

Titus Vlase (Romania)

President of the conference: Gheorghe Duca - President of the Academy of Sciences of Moldova

Honorary Chairman: Jaroslav Sestak (Czech Republic)

Honorary Committee

Giuseppe Arena	Gyorgy Liptay	Barbara Pacewska
Branka Andricic	Vladimir A. Logvinenko	Yoncho Pelovski
Jerzy Blazejowski	Boris L'vov	Henryk Piekarski
Vladimir Boldyrev	Jan Majling	Leszek Rycerz
Gheorghe Ciocanu	Slavko Mentus	Christoph Schick
Jose M. Criado	Andrzej Mianowski	Raimundas Siauciunas
Nicolae Doca	Dragica Minic	Judit Simon
Michael Feist	Eric Mittemeijer	Cornelia Vasile
Ewa Ingier-Stocka	Vladimir Novotortsev	Liudmila Yeuseyeva
Tiit Kaljuvee	Dumitru Oancea	Zivan Zivkovic
Wolfgang Linert	Victor Ostrovskii	Irina Zvereva

Conference Program Chairs:

V. Lozan (Moldova), **V. Nicorici** (Moldova), **I. Povar** (Moldova) & **M. Zaharescu** (Romania)

Scientific Committee

B. Adnadjevic (Serbia)	B. Gorgiladze (Georgia)	J. Machnikowski (Poland)	P. Rotaru (Romania)
G.V. Aldica (Romania)	A. Grajcar (Poland)	M. Macovei (Moldova)	A. Saccone (Italy)
H. Arslan (Turkey)	V. Gun'ko (Ukraine)	H.O. Manolea (Romania)	A. Samide (Romania)
E. Badea (Romania)	V. Gutanu (Moldova)	M.A. Matsko (Russia)	V. Sasca (Romania)
L. Balanovic (Serbia)	W. Hohenauer (Austria)	A. Michnik (Poland)	N. Sbirrazzuoli (France)
K. Baltakys (Lithuania)	T. Holjevac Grguric (Croatia)	A. Mietlarek-Kropidlowska (Poland)	B. Smetana (Czech Rep.)
L.G. Bujoreanu (Romania)	J. Hutchinson (Spain)	S. Milioto (Italy)	Z. Sroka (Poland)
R. Bulanek (Czech Rep.)	M. Jablonska (Poland)	A. Moanta (Romania)	N. Strbac (Serbia)
I. Bulhac (Moldova)	Z. Jacimovic (Montenegro)	I. Morjan (Romania)	M. Sumar Ristic (Serbia)
N. Celan Korosin (Slovenia)	H. Janik (Poland)	F.D. Morrison (United Kingdom)	I.M. Szilagyi (Hungary)
A. Crisan (Romania)	D. Jelic (Bosnia&Herzegovina)	L. Novotny (Slovakia)	J. Tarrio Saavedra (Spain)
I. Chicinas (Romania)	D. Jozic (Croatia)	P. Nowicki (Poland)	O. Stefanescu (Romania)
T. Chusova (Russia)	G. Kaptay (Hungary)	V. Oja (Estonia)	S. Tanasescu (Romania)
D. Dadarlat (Romania)	N. Koga (Japan)	R. Olar (Romania)	M.R. Tine (Italy)
M. Dinescu (Romania)	Z. Kozisek (Czech Rep.)	C. Pacurariu (Romania)	C. Varhelyi Jr. (Romania)
E. Drozd (Poland)	M. Krunks (Estonia)	M. Palou (Slovakia)	I. Vasilyeva (Russia)
Z. Drzazga (Poland)	V. Kravtov (Moldova)	J. Pekez (Serbia)	S. Vecchio Cipriotti (Italy)
C. Duce (Italy)	L. Kulyuk (Moldova)	S. Perimovic Jozic (Croatia)	G. Vlase (Romania)
M. Fonari (Moldova)	S. Kurajica (Croatia)	H. Pfeiffer (Mexico)	M. Voncina (Slovenia)
V.L.S. Freitas (Portugal)	I. Kuznetsova (Russia)	R. Pietrzak (Poland)	S. Vyazovkin (USA)
A.C. Galca (Romania)	M. Labor (Croatia)	A. Pimerzin (Russia)	M. Wesolowski (Poland)
O. Gingu (Romania)	I. Letyanina (Russia)	P. Pissis (Greece)	L. Zelenina (Russia)
P. Gierycz (Poland)	D. Luca Motoc (Romania)	N. Pop (Romania)	K.V. Zherikova (Russia)
V. Gladchi (Moldova)	K. Ludzik (Poland)	M. Premovic (Kosovo)	S. Zla (Czech Rep.)
V. Gorbachuk (Russia)	O. Lupan (Moldova)	H. Pruchnik (Poland)	Z. Zovko Brodarac (Croatia)

Award Plenary Lectures

Boris L'Vov (Sankt Petersburg State Polytechnical University, Russia) - Honorary Member of CEEC-TAC
Jerzy Blazejowski (Gdansk University, Poland) - Distinguished TA&C Researcher in Central & Eastern Europe
Matko Erceg (University of Split, Croatia) - Outstanding Young TA&C Researcher in Central & Eastern Europe

Plenary Lectures

Giuseppe Arena (University of Catania, Italy)
Luis A. Perez-Maqueda (CSIC/University of Sevilla, Spain)
Clive A. Randall (Pennsylvania State University, USA)
James F. Scott (University of St Andrews, United Kingdom)
Anthony R. West (University of Sheffield, United Kingdom)

Invited Lectures

Ignazio Blanco (University of Catania, Italy)
Jan-Willem Bos (Heriot Watt University, United Kingdom)
Catalin Constantinescu (University of Limoges/CNRS, SPCTS - UMR 7315, France)
Svetlana Danilova-Tretiak (A.I. Luikov Heat and Mass Transfer Institute, Belarus)
Vladimir M. Fomin (Leibniz-Institut für Festkörper- und Werkstoffforschung IFW Dresden, Germany)
Concetta Giancola (University of Naples Federico II, Italy)
Jan Majling (Slovak University of Technology in Bratislava, Slovakia)
Alice Mija (University of Cote d'Azur, France)
Atsumi Miyake (Yokohama National University, Japan)
Xavier Moya (University of Cambridge, United Kingdom)
Denis L. Nika (Moldova State University, Moldova)
Vlad T. Popa (Institute of Physical Chemistry, Romania)
Raimundas Siauciunas (Kaunas University of Technology, Lithuania)
Svetlana Sinyova (Saint Petersburg State Polytechnical University, Russia)
Ion Tiginyanu (Academy of Sciences of Moldova, Moldova)
Mikhail Varfolomeev (Kazan Federal University, Russia)
Irina Zvereva (Saint Petersburg State University, Russia)

Workshops

1. **Kinetics and Lifetime prediction of materials.**
2. **Thermophysical Aspects of Functional Ceramics and Surfaces** (Special TA&C techniques, Phase transitions, Thin films, Nanomaterials, Dynamic processes in Electroceramic materials, Thermoelectrics, Diffusional processes in solids)

Topics

1. Kinetics and catalysis.
2. Thermophysical properties and thermal reactivity of solids.
3. Metals, alloys, intermetallics & high temperature materials
4. Thermally stimulated processes in ceramics. Nanomaterials and thermoelectrics.
5. Thermal investigation of thin films and other minute materials.
6. Functional soft inorganic, organic and macromolecular materials.
7. Thermochemistry and calorimetry.
8. Thermodynamics of biomolecules; from stability to interactions.
9. Polymers, Biomaterials, Pharmaceuticals and Cosmetics.
10. The Environment and Green technologies. Alternative clean sources for energy.
11. Combustion, fuels & biofuels. Materials for energy conversion and storage.
12. Energetic materials, thermal hazards & fire safety.
13. Advanced materials processing and applied thermal engineering.
Composites in extreme conditions and environments.
14. Instrumentation and theory; coupled, complementary and alternative techniques: sample controlled thermal analysis, microcalorimetry, emanation thermal analysis, nanoTA, PulseTA, laser pyrolysis, thermochromatography, etc.
15. Thermal analysis and calorimetry in life sciences, natural products, food, fertilizers, soils, geosciences, forensics, textiles and arts.

Prizes and Travel Opportunities:

CEEC-TAC, together with the ***Diamond and Platinum Sponsors***, will offer several Prizes & Grants:

- Distinguished TA&C Researcher in Central & Eastern Europe – to Prof. Jerzy Blazejowski (Poland)
(by Diamond sponsor & CEEC-TAC)
- Outstanding Young TA&C Researcher in Central & Eastern Europe – to Dr Matko Erceg (Croatia)
(by Platinum sponsor 1 & CEEC-TAC)
- 3 Grants for Young Researchers from Central & Eastern Europe in the field of TA&C (covering the registration fees and hotel costs)*
(by Platinum sponsor 2 & CEEC-TAC)
- 3 Travel grants for students from Central and Eastern Europe (covering the registration fees)*
(by CEEC-TAC)

*For the prizes marked with *, please send your CV, 1-page application letter describing your activity, together with a recommendation letter from anyone involved in TA&C field by the **1st of April 2017** at: **andrei.rotaru@inflpr.ro** **fpaladi@usm.md** and **lupascut@gmail.com***
Results will be communicated until the 15th of April 2017.

Abstract submission deadline (Extended): 16 June 2017.

Registration Fees

Participant type	Registration Options 2017		
	Early Bird by 1 st of May	Regular 1 st of May - 10 th of July	Late 11 th of July - 29 th of August
Standard	280 EUR (A1)	300 EUR (A2)	400 EUR (A3)
Student	180 EUR (B1)	200 EUR (B2)	300 EUR (B3)
Accompanying person	130 EUR (C1)	150 EUR (C2)	200 EUR (C3)

The packages include:

- welcome cocktail, 3 lunches, 4 coffee breaks, conference dinner.
- access and support for the poster sessions.
- assistance before and during the conference.
- internet access during the conference.
- access to all conference sessions, plenary and invited lectures (not for the accompanying persons).
- all conference materials (not for the accompanying persons).
- the right of submitting maximum 2 scientific works at *Journal of Thermal Analysis and Calorimetry, Ceramics International* (upon invitation) or at the new journal *ECO Materials* for the special conference volumes (not for the accompanying persons).

Payment method: The registration fees displayed in EUR have to be fully transferred into the bank account (additional transfer charges or fees must be covered by the sender). There are no refunds or returns for payments performed for the CEEC-TAC4 conference!

Bank Name: ING Bank N.V. Amsterdam - Sucursala Bucuresti

Bank Address: Sos. Kiseleff, nr. 11-13, Sector 1, P.O. Box 2-208, 011342, Bucuresti, Romania

IBAN Code: RO21INGB0000999902401186

Swift Code: INGBROBU

Name of Account: Central and Eastern European Committee for Thermal Analysis and Calorimetry (CEEC-TAC)

Fiscal Code (CIF): 28174104 (CEEC-TAC; Address: CEEC-TAC, Bvd. Regina Elisabeta, 4-12, sala 6, Sector 3, Bucuresti, Romania)

Conference Code: CEEC-TAC4

Payment Details: Please quote participant first name & family name, conference code (CEEC-TAC4) & registration fee type (one of the following code: A1...C3). If you pay also for the Short Summer School on TA&C, please quote SSS on TA&C also.

Example 1: John Smith, CEEC-TAC4, A2

Example 2: John Smith, CEEC-TAC4, A2, SSS on TA&C

The registration fees do not include VAT. CEEC-TAC is not a VAT payer.

Abstract submission deadline (Extended): 16 June 2017.

Abstract submission and registration: 1 April 2017 – 16 June 2017

Abstract acceptance notification: 20 June 2017

The abstracts and registration forms shall be sent to: office@ceec-tac.org and ceectac@yahoo.com

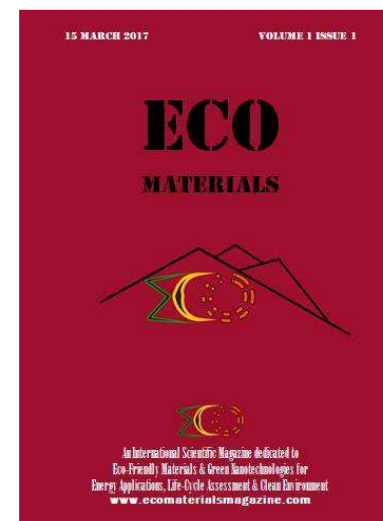
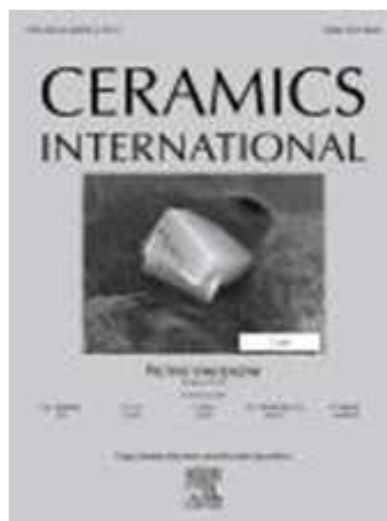
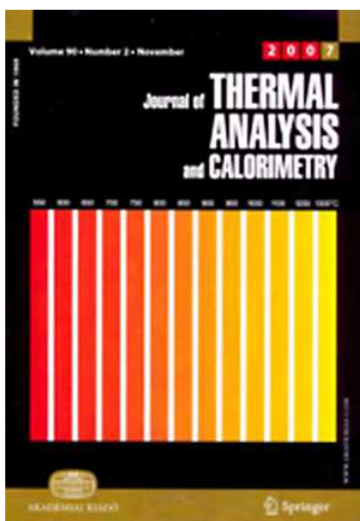
Each participant (registered, except accompanying person) may send maximum 2 abstracts for CEEC-TAC4.

Short Summer School on TA&C

Monday 28th of August 2017; Registration fee: 30 EUR

Publication

The oral & poster contributions will be published in special numbers of **Journal of Thermal Analysis and Calorimetry** (2015 IF: 1.781), **Ceramics International** (2015 IF: 2.758) and in the new journal **ECO Materials**, but only after the standard reviewing procedure. Every registered participant at the CEEC-TAC4 conference is allowed to send maximum 2 works for the special issues dedicated to this event.



Contact

www.ceec-tac.org

office@ceec-tac.org

andrei.rotaru@inflpr.ro, fpaladi@usm.md, lupascut@gmail.com

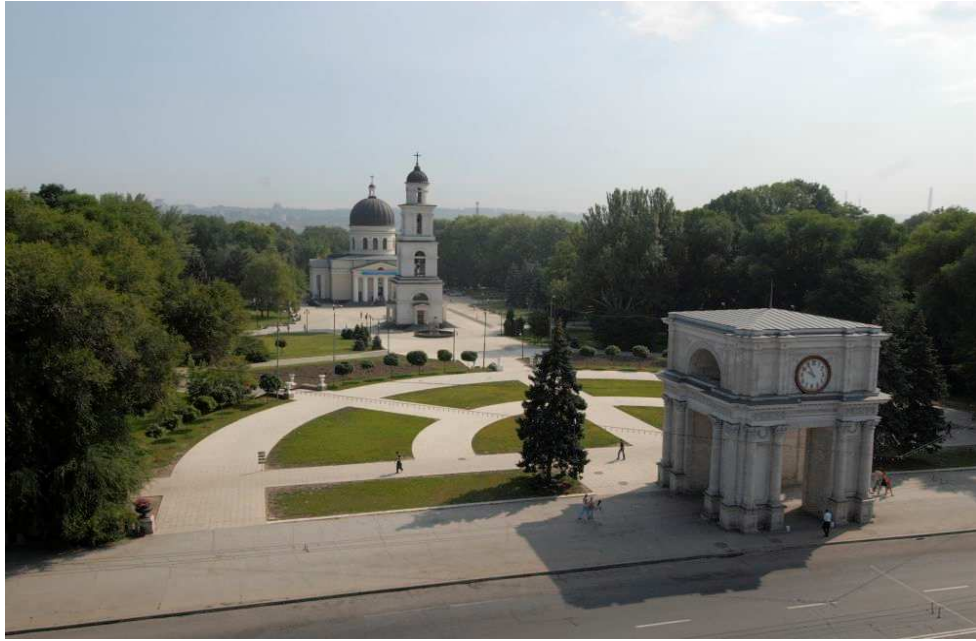
+40745379205 (Andrei Rotaru)

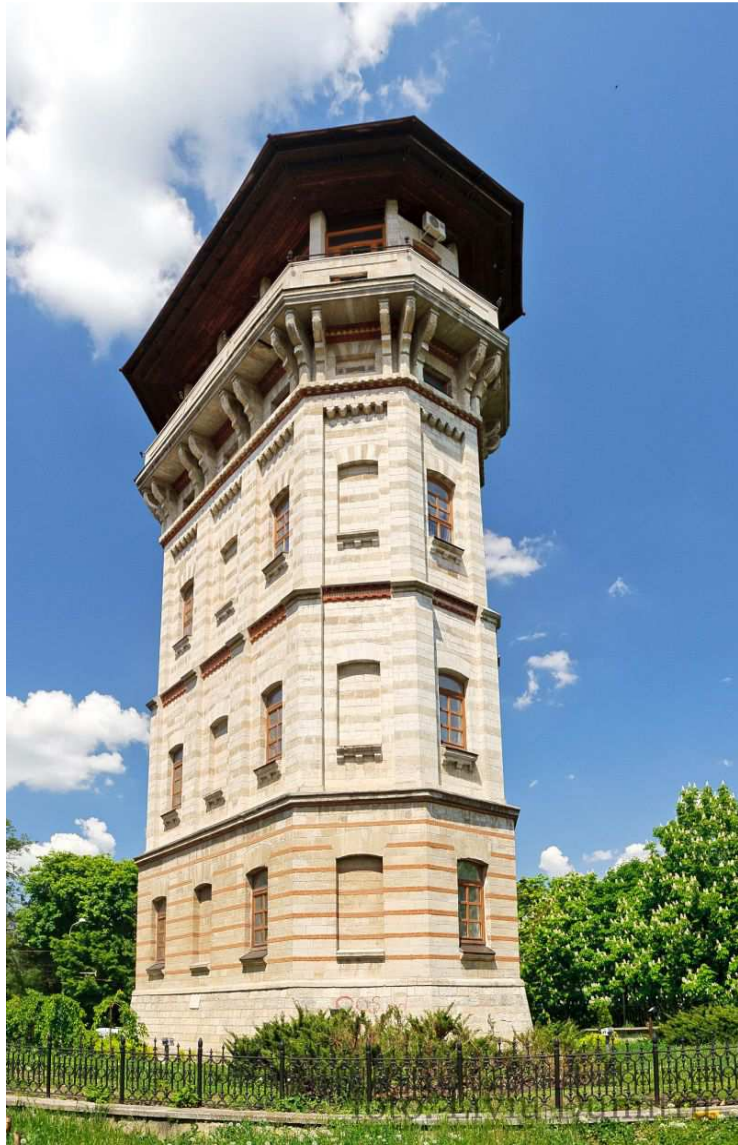
Moldova & Chisinau



Flights to Chisinau







MOLDOVA
STATE
UNIVERSITY



CEEC-TAC4

Conference location: 28-31 August 2017

Moldova State University,
Address: Alexei Mateevici Str., No. 60, Bld. C,
Chisinau, Republic of Moldova



Opening Ceremony: 28 August 2017 (18:00-20:00)

National Philharmonics: Filarmonica Națională „Serghei Lunchevici”

Address: Str. Mitropolit Varlaam, Nr. 78 (Intersection with Mihai Eminescu Str.), Chisinau, Moldova



Welcome Cocktail: 28 August 2017 (20:00-22:30)

Jolly Alon Hotel

**Address: Str. Maria Cibotari, Nr. 37,
Chisinau, Moldova**



Conference Dinner: 30 August 2017 (18:00-24:30)

Castel Mimi

**Address: Str. Dacia, Nr. 1 (35 km from Chisinau),
Bulboaca, Moldova**