

CAIM 2015 - First Announcement

- **Romanian Society of Applied and Industrial Mathematics**
- **“Stefan cel Mare” University of Suceava**
- **"Gh. Mihoc - C. Iacob" Institute of Mathematical Statistics and Applied Mathematics, of the Romanian Academy**
- **Academy of Romanian Scientists**

cordially invite you to

THE 23rd CONFERENCE ON APPLIED AND INDUSTRIAL MATHEMATICS

CAIM 2015

Suceava, Romania, September 17-20, 2015

The Romanian Society of Applied and Industrial Mathematics (ROMAI), "Stefan cel Mare" University of Suceava, "Gh. Mihoc - C. Iacob" Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy (Bucharest), and the Academy of Romanian Scientists (Bucharest) announce the organization of the 23rd Conference on Applied and Industrial Mathematics - CAIM 2015. The Conference will be held at "Stefan cel Mare" University of Suceava between 17 and 20 of September, 2015.

On The Organizing Institutions

1. *ROMAI* was founded in 1992. It is a non-profit scientific association whose members are mathematicians, physicists, engineers, chemists, biologists, economists, and other scientists from Romania, Republic of Moldova, and some other countries. ROMAI encourages and promotes studies on applied mathematics and organizes annually, since 1993, the Conference on Applied and Industrial Mathematics (CAIM). The web page of ROMAI is www.romai.ro

2. "Stefan cel Mare" University of Suceava is the successor of educational and cultural traditions in Bucovina, whose beginnings are found in the royal schools of the first capital of Moldova, Academy of Putna, Theological Institute and the University of Chernivtsi, and the Faculty of Forestry from Campulung Moldovenesc. "Stefan cel Mare" University of Suceava is the direct successor of the 3 years Pedagogical Institute from Suceava (1963-1977), the Institute of High Education, humanist and technical (1977-1989) and operates under the present name since 1990.

The nine faculties: Physical Education and Sport, Food Engineering, Electrical Engineering and Computer Science, Mechanical Engineering, Mechatronics and Management, History and Geography, Letters and Communication Sciences, Forestry, Economics Sciences and Public Administration, Education Sciences, provide training for competent specialists which correspond to the requirements of labor market, develop scientific research activity, fundamental and applied, in compliance with national and international standards and maintains regional development and Euro-Atlantic integration, promoting the fundamental European principles, alongside with the values and traditions of culture and civilization of Bucovina, with its multicultural and intercultural specific. Information on the "Stefan cel Mare" University of Suceava may be found at www.usv.ro .

3. "*Gh. Mihoc - C. Iacob*" *Institute of Mathematical Statistics and Applied Mathematics* is an institute of the Romanian Academy and was founded in 2001 by the unification of two institutes: *Center of Mathematical Statistics* and "*Caius Iacob*" *Institute of Applied Mathematics*. The domains of research are: Probability and Stochastic Processes, Statistical Inference, Operational Research, Dynamical Systems and Control Theory, Fluid Mechanics, Partial Differential Equations and applications in Environmental and Life Sciences. Further information on the activity of this institute may be found at www.ima.ro .

4. *The Academy of Romanian Scientists* is the continuator of the Academy of Sciences of Romania (1936-1948) and of the Association of Romanian Scientists (founded in 1956), that in 1996 became the Academy of Romanian Scientists. In

2007 it was organized in the actual form. Among the honorific members of the Academy of Sciences of Romania we remind the following winners of Nobel Prize: Louis de Broglie, Jean Perrin, Max Born, Werner-Karl Heisenberg, Paul Sabatier, Friedrich Bergius, Paul Karrer, George Emil Palade.

Objectives of CAIM 2015

CAIM 2015 provides a forum for the review of the recent trends in applied mathematics: mathematical modeling, studies of models coming from industry, biology, economy, either from a qualitative or from a numerical point of view. Since theoretical studies find sooner or later their applicability, the conference has also sections for more theoretical branches of mathematics like algebra or geometry. Computer science communications are welcome.

The conference offers to the researchers the opportunity to share new research advances and ideas in different areas of Mathematics with a special stress on their applicability. Also, it is our intention to create a framework for discussions on the interface between Mathematics and Industry.

Traditionally, our Conferences in Applied and Industrial Mathematics have a Section devoted to undergraduate mathematical education.

The webpage of CAIM 2015 will be soon active at:

http://www.romai.ro/conferintele_romai/caim2015.html

Conference Sections

1. Real, Complex, Functional and Numerical Analysis;
2. Partial Differential Equations with applications in Mechanics, Biology, etc.;
3. Ordinary Differential Equations; Dynamical Systems;
4. Probability Theory, Mathematical Statistics, Operations Research;
5. Algebra, Logic, Geometry (with applications);
6. Mathematical Modeling;

7. Computer Science;
8. Education.

Scientific Committee

From abroad: Nuri AKSEL (Bayreuth, Germany), Constantin BĂCUȚĂ (Delaware, U.S.A.), Dumitru BOTNARU (Chișinău, Rep. of Moldova), Tassos BOUNTIS (Patras, Greece), Sergiu CATARANCIUC (Chișinău, Rep. of Moldova), Victor Chepoi (Marseille, France), Acad. **Mitrofan CIOBANU** (Chișinău, Rep. of Moldova), Acad. Constantin CORDUNEANU (Arlington, USA), Piergiulio CORSINI (Udine, Italy), Mathias DEHMER (Hall in Tyrol, Austria), Angelo FAVINI (Bologna, Italy), Vladimir GERDT (Dubna, Russia), Bogdan KAZMIERCZAK (Poland), Victor LEPIN (Minsk), Boris LOGINOV (Ulyanovsk, Russia), Nenad MLADENOVICI (Birmingham, U.K.), Andrei MOROIANU (Paris, France), Gheorghe MOROȘANU (Budapesta, Hungary), Lidia PALESE (Bari, Italy), Mihail POPA (Chișinău, Rep. of Moldova), Maido RAHULA (Tartu, Estonia), Kumbakonam RAJAGOPAL (Texas, USA), Liliana RESTUCCIA (Messina, Italy), Ruggero Maria SANTILLI (Florida, U.S.A.), Dana SCHLOMIUK (Montreal, Canada), Kiyoyuki TCHIZAWA (Tokyo, Japan), Ioan TODINCĂ (Orléans, France), Nicolae VULPE (Chișinău, Rep. of Moldova)

From Romania: Mihai ANASTASIEI (Iași), Vladimir BĂLAN (Bucharest), Cornelia-Livia BEJAN (Iasi), Wladimir-Georges BOSKOFF (Constanța), Vasile BRÂNZĂNESCU (Bucharest), Daniel BREAZ (Alba Iulia), Ilie BURDUJAN (Iași), Adrian CARABINEANU (Bucharest), Ovidiu CÂRJĂ (Iași), Sanda CLEJA-ȚIGOIU (Bucharest), Otilia CLIPA (Suceava), Adrian CONSTANTINESCU (Bucharest), Ion CRĂCIUN (Iași), Mihai DIMIAN (Suceava), Narcisa APREUTESEI DUMITRIU (Iași), Gabriel DIMITRIU (Iași), Ioan DZITAC (Oradea), Constantin FETECĂU (Iași), Paul GEORGESCU (Iași), Anca Veronica ION (Bucharest), Stelian ION (Bucharest), Acad. **Marius IOSIFESCU** (Bucharest), Gabriela MARINOSCHI (Bucharest), Acad. **Solomon MARCUS** (Bucharest), Ioan MAXIM (Suceava), Acad. **Radu MIRON** (Iași), Ioana MOISIL (Sibiu), Costică MOROȘANU (Iași), Ștefan

Gheorghe PENTIUC (Suceava), Titus PETRILA (Cluj-Napoca), Adriadna-Lucia PLETEA (Iași), Constantin POPA (Constanța), Vasile POSTOLICĂ (Bacău), Vasile PREDA (Bucharest), Bianca SATCO (Suceava), Ioan STANCU MINASIAN (Bucharest), Mirela ȘTEFĂNESCU (Constanța), Dan TIBA (Bucharest), Acad. **Ioan TOMESCU** (Bucharest), Catalin TRENCEA (Pittsburgh, U.S.A), Rodica TUDORACHE (Iași), Mihai TURINICI (Iași), Gheorghiuță ZBĂGANU (Bucharest).

Organizing Committee

President: Ilie BURDUJAN (President of ROMAI, Iași)

Vice President: Ioan MAXIM (Head of Teacher Training Department, University of Suceava)

Anca Veronica ION (ISMMA, Bucharest), Stelian ION (ISMMA, Bucharest)

Local Organizing Committee (“Stefan cel Mare” University of Suceava)

- Ioan Maxim
- Bianca Satco
- Lupu Valeriu
- Cramariuc Gabriel
- Colomeischi Tudor
- Macovei Anamaria

Location

CAIM 2015 will take place at the “Stefan cel Mare” University of Suceava

Address: Universității, 13, 720229, Suceava, Romania, Tel. +40230216147,

Fax:+40230520080,e-mail: rectorat@usv.ro, **GPS:**47° 38' 29.03" N | 26° 14' 45.54" E.

CAIM 2015 Preliminary Program

September 17, 2015

14,00 – 23,00 – Registration at the Students Hostel **C4, Str. Scurtă nr. 6, Suceava, 720223**

September 18, 2015

Registration, Opening Ceremony at **Aula corp E, str. Universitatii, 13**
Works of the Conference.

September 19, 2015

Works of the Conference, Closing Ceremony, ROMAI – General Assembly, Official
Dinner.

September 20, 2015

Excursion, Departure of participants.

Registration

The registration will be done on the web page of CAIM 2015,
http://www.romai.ro/conferintele_romai/caim2015.html .

The participants are kindly asked to send the abstracts by e-mail, to
caim.2015@yahoo.com .

Important Dates

Online registration deadline:	- July 27
Submission of abstracts deadline:	- August 15
Notification of acceptance (for presentation):	- August
31	
Deadline to submit papers:	- October 15
Conference period:	- September 17-20

Conference Fees

Registration fee (that includes organizing expenses and coffee breaks):

Romanian participants - **150 lei**;

For Romanian members of ROMAI that have paid their Member Fee for 2014 - **100 lei**;

Foreign participants - **60 Euro**;

Participants from Republic of Moldova – **75 lei** (RO -lei).

The costs of official dinner and the excursion are not included in the above fees. Their amount will be specified in the Second Announcement.

Payment methods

The foreign participants are kindly asked to pay the fee until September 1, in the **account of ROMAI: RO19BRDE445SV10137674160**, held at **BRD-Groupe Société Générale**, SWIFT **BRDEROBU**. Romanian participants and participants from Republic of Moldova may pay either in the **account of ROMAI: RO23BRDE445SV00031164160**, held at **BRD - Groupe Société Générale**, TRIUMF, Bucharest, or at the Registration Desk.

CONCERNING ABSTRACTS AND PAPERS

1. ABSTRACTS.

The abstracts for **Sections 1-7** will be written in English, by using the LATEX template below.

CAIM Abstracts Template (for sections 1-7)

```
\documentclass[11pt, a4paper]{article}
\begin{document}
\title{Title of the abstract}
\author{Auhtor1$, Author2$ \ $1$Affiliation, 2$Affiliation }
\date{}
\maketitle
Text of abstract.
\end{document}
```

Besides the tex file, please send the pdf file of the Abstract. The abstracts for **Section 8** may be written by using Microsoft Word (in English or Romanian).

The Abstracts for all sections must be sent by email at the address caim.2015@yahoo.com .

The authors are also asked to name the files containing the abstracts with the name of the Corresponding Author (for example IONESCU-Andrei.tex, or, for Section 8, IONESCU-Andrei.doc).

The Scientific Committee will select the works that will be communicated and will announce the authors in at most two weeks from the moment of receiving the abstracts about the acceptance (or non-acceptance) of the paper.

2. PAPERS.

After the Conference, the Scientific Committee will select from the presented papers, the papers to be published either in **ROMAI Journal** (<http://rj.romai.ro/>) or in **Scientific Studies and Research. Series Mathematics and Informatics** (<http://pubs.ub.ro/?pg=revues&rev=ssrsmi>), for Sections **1-7**, and in **ROMAI Educational Journal** (<http://rej.romai.ro/>) for Section **8**.

The Scientific Committee has the right to reject any work which exhibits an inappropriate scientific or linguistic level.

The authors should obey the standard copyright regulations and are responsible for the scientific and linguistic accuracy of the text.

Instructions for Authors

For Sections 1-7, the papers must be written in LATEX 2e, according to **the instructions for authors** posted at http://www.romai.ro/conferintele_romai/caim2015/instructions_for_authors.html

.

The authors are kindly asked to submit also the paper in pdf format.

For Section 8, the papers must be written by using Microsoft Word, in Romanian or in English.

All papers will be sent to caim.2015@yahoo.com

Travel

Suceava is accessible by train or by plane. See below the webpages of the airports in Bucharest, the airport in Suceava and the schedule of trains in Romania.

Airport "Henri Coandă"-București <http://www.otp-airport.ro/>

International Airport "Stefan cel Mare" - Suceava
<http://www.aeroportsuceava.ro/en/>

Train schedule <http://www.mersultrenurilor.ro>

The official website for travel and tourism <http://www.romaniatourism.com/>

Accommodation

The participants should make a reservation at one of the hotels below:

Sonnenhof Hotel**** <http://www.hotelsonnenhof.ro/>

Imperium Hotel**** <http://www.hotelimperium.ro/>

Albert Hotel *** <http://www.hotel-albert.ro/>

Zamca Hotel*** <http://www.hotelzamca.ro/>

Continental Hotel*** <http://continentalhotels.ro/Continental-Suceava/en/>

A number of 20 rooms will be also available in the Students Hostel of the "Stefan cel Mare" University of Suceava at a low cost. Please mention in the registration form online if you want lodging in the Students Hostel.

Weather

At the end of September weather is usually nice in SUCEAVA, with temperatures between 13 and 20 Celsius degrees.

Contact: caim.2015@yahoo.com