

- ROMANIAN SOCIETY OF APPLIED AND INDUSTRIAL MATHEMATICS
- “Ion Ionescu de la Brad” UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF IAȘI
- ACADEMY OF ROMANIAN SCIENTISTS
- “Al. I. Cuza” UNIVERSITY OF IAȘI, FACULTY OF MATHEMATICS
- ”Gh. Asachi” TECHNICAL UNIVERSITY OF IAȘI
- ROMANIAN MATHEMATICAL SOCIETY - IAȘI branch

cordially invite you to

THE 19th INTERNATIONAL CONFERENCE ON APPLIED AND INDUSTRIAL MATHEMATICS CAIM 2011

CAIM2011 takes place during September 22 - 25, 2011 at “Ion Ionescu de la Brad” University of Iași, Romania.

CAIM 2011 provides a forum for the review of the recent trends in theoretical, numerical, experimental and industrial applications of mathematics, in computer sciences and in education activities in mathematics. It 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. Graduate students and postdocs interested in these rapidly developing fields are warmly welcome.

This edition is especially dedicated to researches in **Quadratic Dynamical Systems and their Applications**.

Important data

Full address of the Conference Registration Office (meeting place):

“Ion Ionescu de la Brad” University of Iași ,
Mihail Sadoveanu alley 3,
700490, Iași , Romania

The best access to the Conference location is by taxi from the train station or from the airport

Conference web-page: <http://www.uaiasi.ro/caim2011>

Conference contact: e-mail addresses and telephone numbers:

- for accomodation and financial details:

Prof. Dr. **Ilie Burdujan**, e-mail: burdujan_ilie@yahoo.com; 004.0755.099.063

- for registration, programme and publication issues:

Prof. Dr. **Costică Moroșanu**, e-mail: cmoro@uaic.ro; 004.0740.795.505

Conference Sections

1. Dynamical systems, jets theory and their applications; quadratic dynamical systems
2. Algebra and logic
3. Topology and differential geometry
4. Functional analysis and differential equations
5. Analytical and numerical methods in mechanics
6. Mathematics in Physics, Chemistry and Industry
7. Mathematics in Biology and Environmental Sciences
8. Theoretical computer sciences
9. Education

Deadline for the final registration: **August 25st, 2011.**

Deadline to submit abstracts: **September 10th, 2011**

Preliminary schedule

- September 22 - arrival day. Registration at "Ion Ionescu de la Brad" University, Iași .
- September 23 - Registration, opening ceremony and sessions on sections.
- September 24 - Sessions on sections, closing ceremony, ROMAI general assembly.
Official dinner.
- September 25- Excursion. Departure of participants.

- October 15 - last day for submitting the files of the talks.

For other details, please check the Conference web-page www.uaiasi.ro/caim2011

Authors are requested to send an abstract (1 page) before September 10, 2011 either on-line at www.uaiasi.ro/caim2011 or at the mail address burdujan_ilie@yahoo.com. Instructions and a style file for the preparation of the abstracts are available below.

Scientific Committee

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 Cristian VOICA (Bucharest)

Organizing Committee

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Conference and excursion fees

	Early registration fee (until Sep. 01, 2011)	Regular registration fee (from Sep. 01, 2011)	Excursion
Romanian participants	220 RON	250 RON	170 RON
Foreign participants	180 €	200 €	40 €
Foreign participants from former socialist countries	50 €	60 €	40 €

For paying by bank transfer, please use the following accounts

For the payment in Ron, account: RO41 BTRL 0240 1201 B542 66XX,
BT – SUCURSALA Iasi, Str. Ghica Voda nr. 3A, 1024 Iasi Romania
holder: Burdujan Ilie
Mentionati : CAIM2011 – taxa participare +/- excursie

For the payment in Euro, account: RO16 BTRL 0240 4201 B542 66XX,
BT – SUCURSALA Iasi, Str. Ghica Voda nr. 3A, 1024 Iasi Romania
SWIFT CODE (BIC CODE): BTRLRO 22
holder: Burdujan Ilie
Please Mention: CAIM2011 – participation fee +/- excursion

We strongly encourage the participants to pay the Participation Fee by bank transfer before September 01. However, if this is, for any reason, not possible, the Fee may be paid at the Registration Desk.

Actually, in the case when the bank commission is consistent it probably is a good idea to pay the fee straight at the Conference Registration Desk.

Presentation/publication of papers

All papers will be peer-reviewed.

The Scientific Committee will select the works which may be communicated and published. The Organizing Committee has the right to reject any work which exhibits an inappropriate scientific or linguistic level.

The full texts of the accepted communications should be submitted, in English, until October 15. The papers should be submitted in English. The authors should obey the standard copyright regulations and are responsible for the scientific and linguistic accuracy of the text.

For detailed information please check the conference website www.uaiasi.ro/caim2011

The papers **for Sections 1-8** will be published, after a reviewing process in accordance with Scientific Committee recommendation, in:

- ROMAI Journal, (a B⁺ in the CNCSIS classification journal, and indexed by ZBM and MR), web page <http://rj.romai.ro>,
- the Annals of AOSR, *Mathematics and Its Applications*, web page <http://www.mathematics-and-its-applications.com/>

For ROMAI J, the papers must be written in English, by using the Latex-2e template given at http://rj.romai.ro/index.php?option=com_content&view=article&id=77&Itemid=14
The figures, if any, must be in eps format.

For the papers in the Annals of AOSR, *Mathematics and Its Applications*, see the instructions for authors in web page <http://www.mathematics-and-its-applications.com/>

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

All the papers from Sections 1-8 will be sent to Dr. Anca-Veronica ION at:

romai.journal@yahoo.com.

The papers for Section 9 will be published in ROMAI Educational Journal and must be written, in Romanian or English, by using Microsoft Word and will be sent to Professor Cristian Voica, at voica@gta.math.unibuc.ro.

Conference language: English

The prize Adelina Georgescu for applied mathematics

aims to promote the outstanding results of the young mathematicians (till 40 years old) from Romania and Moldova . Details about the participation, in Romanian, can be found at http://www.romai.ro/index.php?option=com_content&view=article&id=153&Itemid=214.

ABSTRACTS

All abstracts must be written in English.

The abstracts for Sections 1-8 will be written by using, the LATEX 2e template below.

The abstracts for Section 9 will be written by using Microsoft Word.

CAIM Abstracts Template (for sections 1-7)

```
\documentclass[10pt,a4paper]{article}
\usepackage{amsfonts}
\usepackage{amsbsy}
\usepackage{amssymb}
\usepackage{amsmath}
\usepackage{amsthm}
\newcommand{\titleart}[1]{\bigskip \begin{center}
\large \textbf{#1}\end{center} }
\vspace{-6mm}
\newcommand{\autorart}[1]{\begin{center} \large
\textsf{#1}\end{center} \vspace{-6mm} }
\newcommand{\coord}[1]{\begin{center} \small
\textit{#1}\end{center} \vspace{-6mm} }
\newcommand{\mail}[1]{\begin{center} \small
\textit{#1}\end{center}
\normalsize}
\begin{document}
\titleart{Title of abstract}
\autorart{Author1 \index{Author1}, Author2
\index{Author2},...}
\coord{Affiliation, Country}
\mail{e-mail}
\medskip
Text of the abstract.....
\medskip
{\small {\bf
References}
\noindent
1. E. Hopf, {\it A mathematical example displaying
features of turbulence},
Comm. Appl. Math. {\bf 1}(1948), 303-322.
\noindent
2. M. Golubitsky, D.G. Schaeffer, {\it Singularities
and groups in bifurcation theory}, vol. I,
Springer-Verlag,
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New York, 1985.
}
\end{document}

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"The 19th International Conference on Applied and Industrial Mathematics CAIM2011" 22-25
September 2011, "Ion Ionescu de la Brad" University of Iași , Romania

Final Registration Form

to be sent before September 10, 2011 by email, to the address burdujan_ilie@yahoo.com

Family name:

First name:

Male/Female:

Affiliation:

Address:

Town/City:

Zip code&State:

Country:

e-mail:

Phone:

Fax:

I will submit a contribution:.....Y/N

Type: lecture (45')/ communication (20') L/C

Presentation sevices: overhead projector/PC/blackboard O/P/B

Title:

Authors:

Abstract:

Arrival time,...hour, transportation means:

Departure time, hour, transportation means:

I'll be accompanied by (full name):

I would reserve my own lodging: Y/N

I would like to be accomodated on campus (University Guest Hotel): Y/N

shared with (optional):

I'll attend the banquet: Y/N

Comments, special requests:

Date: