



A Unique Educational
& Career Opportunity
*Advances in Heat Transfer Enhancement
from basic to nano*

**Summer School on
Advances in Heat Transfer Enhancement: from basic to nano
2-nd Edition
September, 17-21, 2012
Iași, România**

MONDAY, September, 17

09.00 - 10.00 Participants registration

10.00 - 11.00: *Opening Ceremony*

11.00 - 14.00: Lecture*

Advances in energy efficiency: from basic mechanisms to productivity and heat transfer enhancement techniques

Associate Professor Alina Adriana MINEA, Technical University “Gheorghe Asachi” from Iasi,
ROMANIA

***12.45 - 13.00:** coffee break

14.00 – 16.00

Lunch Break

16.00 – 20.00: Lecture*

Boiling Effects in Nanofluids

Professor Eden MAMUT, University OVIDIUS Constanta, ROMANIA

***18.00- 18.15:** coffee break

TUESDAY, September, 18

10.00 - 14.00: Lecture*

Nonlinear dynamics in complex systems - applications in heat and mass transfer

Professor Maricel AGOP, Technical University “Gheorghe Asachi” from Iasi, ROMANIA

pH D Simona BĂCĂIȚĂ, Technical University “Gheorghe Asachi” from Iasi, ROMANIA



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*12.00 - 12.15: coffee break

14.00 – 16.00

Lunch Break

16.00 – 20.00: Lecture*

Manufacturing processes of composite materials. Effects on heat transfer.

Professor Paulo Nobre Balbis DOS REIS, University Of Beira Interior, PORTUGAL

*18.00- 18.15: coffee break

WEDNESDAY, September, 19

10.00 - 14.00: Lecture*

Energy-efficient buildings: New thermal regulation and dynamic simulations towards a successful strategy

Associate Professor Myriam LAZARD, CNRS-Université de Poitiers, FRANCE

*12.00 - 12.15: coffee break

14.00 – 16.00

Lunch Break

16.00 – 20.00: Lecture*

Possibilities for energy saving in process integration

Professor Emil MIHAILOV, University of Chemical Technology and Metallurgy, BULGARIA

*18.00- 18.15: coffee break

THURSDAY, September, 20

10.00 - 14.00: Lecture*

Convection heat transfer in nanofluids

Professor Oronzio MANCA, Seconda Universita' degli Studi di Napoli, ITALY

*12.00 - 12.15: coffee break

14.00 – 16.00



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Lunch Break

16.00 – 20.00: Lecture*

Natural and Mixed Convection in Channels and Open Cavities: From Basic to Applications

Professor Sergio NARDINI, Seconda Universita' degli Studi di Napoli, ITALY

***18.00- 18.15: coffee break**

FRIDAY, September, 21

10.00 - 14.00: Lecture*

Heat transfer in Organic Rankine Cycle applications

Professor Sotirios KARELLAS, School of Mechanical Engineering, National Technical University of Athens, GREECE

***11.45 - 12.00: coffee break**

14.00 – 16.00

Lunch Break

16.00 – 18.30: Lecture*

Expert systems used in heating equipments

Professor Petrică VIZUREANU, Technical University “Gheorghe Asachi” from Iasi, ROMANIA

***17.15- 17.30: coffee break**

18.30 – Closing Ceremony

NOTE: All activities will take place at Faculty of Materials Science and Engineering, Department of Technologies and Equipments for Materials Processing, First floor.