

University of Roma "LA SAPIENZA"

Summer School of Thermodynamics

Roma, June 24 – July 6, 2013

A high-profile Course for excellent international students

The 2013 Engineering Summer School of the University of Roma 1 La Sapienza (UDR1) offers credit courses, with lectures held in English, for both Graduate Students and for eligible Senior year Undergraduates in Mechanical Engineering and related Natural Science or Physics programs. Foreign students both from the EU and from other Countries to Roma for a 2 weeks period to attend the UDR1 Summer courses listed below. Erasmus exchange students and students enrolled in Italian Universities and are eligible for 6 ECTU credits.

The CAESAR Summer School offers:

- Thoroughly edited academic and scientific course contents, available on CD
- High-quality teaching, certified according to EU standards
- Full accessibility of the international teaching body, consisting of world-renowned international instructors
- A compact format that combines high efficiency and intensive contact hours with a flexible and student-friendly schedule
- General information about UDR1 and its rich didactic curricula
- Introduction to relevant Italian sponsoring Agencies, Industries and Consulting Firms
- Welcome party for all participants
- Social events in an international, relaxed and notoriously friendly atmosphere

Upon completion of the course requirements, each student is awarded a certificate and ascribed 6 ECTU study credits, which may be transferred to the students current study program.

The costs for the students are 300 € for tuition and 400 € for accommodation (double occupancy rooms). Course material, computer facilities, etc. are included in the tuition fee. Each student should be prepared to cover her/his own living expenses (meals, transportation, extras). A limited number of scholarships to cover travel and lodging costs are available (application required).

Week 1 (June 24 – 29)

	June 24 Mo	June 25 Tu	June 26 We	June 27 Th	June 28 Fr	June 29 Sa
9.00 12.30	501	501	503	503	516	9:30 Panel #1
12.30 14.00	Lunch break					
14.00 17.30	512	512	502	502	516	Tutoring

Week 2 (July 1 – 6)

	July 1 Mo	July 2 Tu	July 3 We	July 4 Th	July 5 Fr	July 6 Sa
9.00 12.30	517	517	513	514	504	11:30 SST Public Forum
12.30 14.00	Lunch break					
14.00 17.30	518	518	513	515	504	Tutoring
20.00	Closing Ceremony & Dinner					

Instructor	Affiliation	Course id	Course Title	Contact hours
Michael J. Moran	Ohio State Univ., Columbus, OH, US	501	<i>Principles of Thermodynamics</i>	7
Richard A. Gaggioli	Marquette U., Milwaukee, WI, US	502	<i>Principles of Exergy Analysis</i>	7
Hasan Heperkan	Yildiz University, Istanbul, Turkey	503	<i>Principles of Heat and Mass Transfer</i>	7
George Tsatsaronis Tatjana Morozjuk	T.U. Berlin, Germany	504	<i>Thermo-Economics</i>	7
Sung Jin Kim	KAIST, Daejeon, S.Korea	512	<i>Heat Transfer and Fluid Flow in Micro Thermal Systems</i>	7
Roberto Melli Vittorio Verda	UDR1, Italy POLITO, Italy	513	<i>Thermo-Diagnostics</i>	7
Claudia Toro	UDR1, Italy	514	<i>A general procedure for the exergy analysis of buildings</i>	3.5
Federico Zullo	Kent U., Oxford, GB	515	<i>Exergy-Analysis of Ecological Dynamics</i>	3.5
Enrico Sciubba	UDR1, Italy	516	<i>Thermo-fluidynamics of gas turbine blade cooling</i>	7
Daniel Favrat	EPFL, Switzerland	517	<i>Advanced concepts in the design of CAES systems</i>	7
Stefan Göbbling-Reisemann	Universität Bremen, Germany	518	<i>Resilient Energy Conversion Systems</i>	7

Panel #1: Thermodynamics of Turbulence (S. Pirozzoli)

SST Public Forum: An open and introductory discussion on Thermodynamics with the participation of high school students from the city of Roma



Class of 2012



Social dinner 2012



Cloister at the School of Engineering

The brochure, the application form and the fact-sheet about the CAESAR Summer School 2013 can be downloaded after February 28, 2013, at www.turbomachinery.it

For further information please contact:

the Summer School Co-Directors, roberto.melli@uniroma1.it or enrico.sciubba@uniroma1.it
or the Events Manager, claudio.larosa@uniroma1.it