



**International Workshop
Nuclear Energy, Environment and Safety – ENUMAS 2008**
October 30 to 31, 2008
UNICAMP – Campinas – São Paulo - Brazil

Campinas, June 2008.

EXECUTIVE COMMITTEE

**Prof. Wagner dos Santos
Oliveira**
(FEQ / UNICAMP and
IPEN/CNEN - SP)
Coordinator

Prof. Luiz Antonio Rossi (NIPE
and FEAGRI / UNICAMP)
1st Technical Coordinator

Prof. Luís Augusto B. Cortez
(NIPE and FEAGRI / UNICAMP)
2nd Technical Coordinator

**Prof. José Antonio
Scaramucci**
(AB3E and NIPE / UNICAMP)
1st Treasurer

Prof. Sergio Persio Ravagnani
(FEQ / UNICAMP)
2nd Treasurer

Promoted
and
Organized by:

nipe



UNICAMP



Faculty of Chemical
Engineering of UNICAMP

Bruno Comby Environmentalists for Nuclear Energy (EFN)

Dear Sir,

The Interdisciplinary Center of Energy Planning (NIPE/UNICAMP) is honored to invite you to participate in the International Workshop on Nuclear Energy, Environment and Safety which will take place from 30th to 31st October 2008 at the State University of Campinas – UNICAMP (São Paulo, Brazil).

The Workshop aims to establish a debate over the issues of Nuclear Energy, Environment and Safety. The objective is to gather members from the academic, private and governmental sectors who are interested in debating ethically-correct technical, scientific and economic aspects concerning nuclear energy use, not only as a resource to meet energy needs, but in the utilization of procedures towards environmental protection in a concerning global warming scenario.

In a period of intense discussion about alternative renewable energies, the nuclear component is still viewed with suspicion by the society which, unaware of the progresses made on this field, holds its position on preconceived ideas and taboos.

In this present moment when Brazil evaluates the construction of Angra III nuclear power plant and makes an effort to define a secure and feasible energy matrix, at the same time that invests in environmental protection, a debate with specialists from the public and private institutions sounds opportune to bring new point of views on the subject, especially concerning their most recent advances and contributions.

The training of knowledgeable human resources capable of working safely and efficiently in the new fields of knowledge is also a non-deferrable need. In this sense, the Workshop offers 2-hour short courses on the nuclear field and its applications consonant with environmental protection, nuclear safety and social well-being.

We sincerely hope that you will be able to accept this invitation.

With my best regards,

Prof. Dr. Wagner dos Santos Oliveira
Coordinator ENUMAS 2008



**International Workshop
Nuclear Energy, Environment and Safety – ENUMAS 2008**
October 30 to 31, 2008
UNICAMP – Campinas – São Paulo - Brazil

Preliminary Program ENUMAS 2008	
Thursday 30th October – Day 1	
8h – 8:30h Opening of ENUMAS 2008	Sérgio Rezende – Minister – Ministry of Science and Technology (MCT) Senator Marco Maciel (DEM/PE) Othon Pinheiro da Silva – President of Eletronuclear Odair Dias Gonçalves – President of the National Commission of Nuclear Energy / CNEN Hélio de Oliveira Santos – The Mayor of the City of Campinas José Tadeu Jorge – Rector of UNICAMP Luiz Antônio Rossi – Coordinator of NIPE/UNICAMP Wagner dos Santos Oliveira – Coordinator of ENUMAS 2008
8:30h – 10h Nuclear Energy in Brazil	Odair Gonçalves Dias – CNEN Othon Pinheiro da Silva – Eletronuclear Almirante Carlos Passos Bezerril – Director – CTMSP – Brazilian Navy Mauricio Tolmasquin – President of EPE Rex Nazaré Alves – IME Alfredo Tranjan Filho – INB Ozires Silva – Pelenova/Biocure <i>moderator</i>
10h – 10:20h – Coffee Break	
10:20h – 11:40h The Nuclear Industry in the International Context	Ruben Lazo – FRAMATOME Viejo Ryhamen – TVO / FORTUM Kyoung-Pyo Kim – KAERI Rob Verslius – Generation IV Nuclear Energy Systems Initiative Marcelo Melo Moraes – NUCLEP <i>moderator</i>
11:40h – 13h The Nuclear Energy and the Climate Change	James Lovelock – Environmentalists for Nuclear Energy (EFN) Ildo Sauer IEE - USP Bruno Comby – Environmentalists for Nuclear Energy (EFN) Myun-Joo Lee – KAERI Carlos Vogt – Labjor/UNICAMP <i>moderator</i>
13h – 14:30h – Lunch Break	
14:30h – 15:50h The Nuclear Energy and the Environment: Advantages and Applications	Sérgio Esteves – CAISM/UNICAMP (<i>Clinical Application of Ionized Radiation</i>) Patrick Monteiro de Barros – Monteiro de Barros Foundation – Lisboa/Portugal Suibel Schuppner – International Nuclear Energy Research Initiative Bernard Laponche – Consultant/Nuclear Energy Former-advisor of the French Ministry of Ecology and Sustainable Development Nilson Vieira – IPEN/CNEN-SP <i>moderator</i>
15:50h – 16:10h – Coffee Break	
16:10h – 17:30h Sinergy: Nuclear Energy, Renewable Energy and the “Nuclear Hydrogen”	David Henderson – DOE/USA Manoel Regis Lima Verde Leal – CENEA Aldo Rosa – Stanford University Fernando de Esteban – European Commission Ennio Peres da Silva: NIPE e IFGW/UNICAMP <i>moderator</i>
17:30h – 18h – Closing	

Please contact Fabiana Viana, Fernanda Colucci or Cristiane Marques to confirm your participation:
fabianaqviana@terra.com.br / fernandacolucci@yahoo.com.br / cristiane@aquagenesis.org.br
 Phone/Fax: (19) 3289-3125 / (19) 3289-5499 / (19) 3289-7787



International Workshop
Nuclear Energy, Environment and Safety – ENUMAS 2008
October 30 to 31, 2008
UNICAMP – Campinas – São Paulo - Brazil

Friday 31st October – Day 2	
SHORT-COURSES OFFERED	<ul style="list-style-type: none">1 – Nuclear Energy: generation, application and importance;2 – Environmental Problems and nuclear solutions;3 – Radiobiology;4 – Application of radiation on biomass to produce biofuels;5 – Irradiation on polymeric materials;6 – Treatment of effluents by irradiation;7 – Environmental control close to the Nuclear Power Stations of Angra;8 – Nuclear energy safety;9 – The importance of the nuclear research reactors installed in universities;10 – Storage of nuclear wastes;11 – Nuclear energy application in agriculture and industry;12 – Generation IV nuclear reactors and the synergy with solid oxide fuel cells;13 – Nuclear energy and its applications in the health sector.

**This program is preliminary and is subject to changes.*