



VIU

Venice
International
University

TEN

Thematic
Environmental
Network

ETM

Energy Technologies
and Management
Short Training Course

4-8 February, 2008

Venice International University
Isola di San Servolo
30100 Venezia

Call for application

Goal

The Short Training Course on Energy Technologies and Management is meant to provide specific knowledge on the most recent developments and best practices in the field of Energy Technologies and Management from a theoretical and empirical perspective, with reference to the emerging scenarios of energy demand. The overall goal is to address the need of up to date, objective and practical knowledge and information on tools and methodologies in the energy field from the experience of various institutions and organisations, both in the public and private sectors.

Target

The Short Training Course is offered to practitioners, policy-makers, managers as well as technical and non-technical personnel from public and private institutions at European, National, Regional and local level, who wish to improve and upgrade their knowledge on the technologies and management for the supply and conversion of Energy.

Venue

The Short Training Course will take place at the premises of the Venice International University (www.univiu.org) on the island of San Servolo, in the Venice Lagoon. It is coordinated by the Thematic Environmental Networks (TEN) Center of the Venice International University which has developed a rich network of relations with institutions and companies involved in environmental management and sustainable development and has gained a lot of experience in the field of higher education and training program for policy-makers and practitioners (www.univiu.org/research/ten/activities/).

The Venice International University (VIU) is an international center of higher education and research founded in 1995. On its campus, a community of international professors, researchers and students are engaged in topics common to the undergraduate, graduate and research programmes.

ETM Scientific Coordinator

Giuseppe Zollino,
University of Padua

Organisation

The Short Training is a one week course (Monday-Friday) and includes 6 lecturing sessions per day, of 50 minutes each. Lectures will be delivered by University Professors, high level technicians and experts from different European Countries. The lecturing material of the Course will be made available at the beginning of the Course.

Language

The Course will be in English.

Schedule

The first Short Training Course is scheduled from Monday, February 4 to Friday, February 8 according to the draft agenda enclosed.

Accommodation

Trainees will be offered accommodation on VIU residential facilities on the island of San Servolo (10 minutes by boat from San Marco square) in single rooms with private bathroom. Buffet breakfast and dinner are included. Accommodation will be available from the day prior to the beginning of the course.

Registration & Participation Fee

1.800,00 euro, or
2.500,00 euro including accommodation on VIU Campus

The Fee includes:

lecturing material;
return tickets for connection to Venice;
transfer service on arrival and departure

How to register:

please email to
Alessandra Fornetti at
alessandra.fornetti@univiu.org
object: ETM registration

**Deadline for registration is
January 26, 2008**

Admission results and payment methods will be notified by January 29, 2007
The participation fee must be paid in a single sum prior to the beginning of the course.

For further information or should you have any problems with registering, please contact:

Alessandra Fornetti
alessandra.fornetti@univiu.org
Tel. 0039 041 2719525

ETM

Energy Technologies and Management Short Training Course

Monday, February 04, 2008

Time

9.30-10.30 am

10.30-10.50 am

10.50-11.50 am

11.50-12.50 pm

12.50-2.00 pm

2.00-3.00 pm

3.00-4.00 pm

4.00-4.20 pm

4.20-5.20 pm

Theme

Introduction to Energy

Energy Policies

Lecture

Energy Keywords

Coffee Break

History and trends of world
Energy demand

Origin, Resources and Reserves
of Primary Energy sources

Buffet Lunch

The three pillars of Sustainable
Development

Geopolitics and Security
of Energy supply

Coffee Break

The Energy policy
of the European Union

Speaker

Prof. Giuseppe Zollino,
University of Padua

Dr. Rolf Linkhor,
CERES, Bruxelles

ETM

**Energy Technologies
and Management
Short Training Course**

Tuesday, February 05, 2008

Time

9.30-10.30 am

10.30-10.50 am

10.50-11.50 am

11.50-12.50 pm

12.50-2.00 pm

2.00-3.00 pm

3.00-4.00 pm

4.00-4.20 pm

4.20-5.20 pm

Theme

Hydrocarbons technologies

Conventional Power Generation

Power distribution

Lecture

Technologies for production, transport and storage of oil and natural gas – Part I

Coffee Break

Technologies for production, transport and storage of oil and natural gas – Part II

Oil and gas peaks: facts and legends

Buffet Lunch

Power generation from fossil fuels: state of the art and perspectives – Part I

Power generation from fossil fuels: state of the art and perspectives – Part II

Coffee Break

Centralised and distributed generation

Speaker

Prof. Ugo Bilardo,
University of Rome “La Sapienza”

Dr. Gennaro Di Michele,
ENEL Research Centre

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Energy Technologies
and Management
Short Training Course

Wednesday, February 06, 2008

Time

9.30-10.30 am

10.30-10.50 am

10.50-11.50 am

11.50-12.50 pm

12.50-2.00 pm

2.00-3.00 pm

3.00-4.00 pm

4.00-4.20 pm

4.20-5.20 pm

Theme

Co-generation and Tri-generation

Clean-Coal

The transport sector

Lecture

Technologies for Co-generation and Tri-generation – Part I

Coffee Break

Technologies for Co-generation and Tri-generation – Part II

Clean-Coal Technologies

Buffet Lunch

Energy demand and trends in the Transport sector (ground, maritime and aeronautics)

Internal combustion and alternative engines: state of the art and perspectives

Coffee Break

Hybrid and Hydrogen technologies for the transport sector

Speaker

Prof. Hans Joachim Krautz,
BTU Cottbus University, Berlin

Giuseppe Rovera,
Fiat Research Centre

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Energy Technologies
and Management
Short Training Course

Thursday, February 07, 2008

Time

9.30-10.30 am

10.30-10.50 am

10.50-11.50 am

11.50-12.50 pm

12.50-2.00 pm

2.00-3.00 pm

3.00-4.00 pm

4.00-4.20 pm

4.20-5.20 pm

Theme

Nuclear Energy

Energy and Environment

Economics of Energy

Lecture

**Nuclear Power Plants:
state of the art and future
developments – Part I**

Coffee Break

**Nuclear Power Plants:
state of the art and future
developments – Part II**

**Environmental impact
of Energy conversion – Part I**

Buffet Lunch

**Environmental impact of Energy
conversion – Part II**

The structure of Energy costs

Coffee Break

**Mechanisms to promote
Renewable Energy Sources
and Energy Efficiency**

Speaker

Prof. Bertrand Barré,
Institut National des Sciences
et Techniques Nucléaires,
INSTN CEA, France

To be confirmed

Prof. Arturo Lorenzoni,
University of Padua

ETM

**Energy Technologies
and Management
Short Training Course**

Friday, February 08, 2008

Time

9.30-10.30 am

10.30-10.50 am

10.50-11.50 am

11.50-12.50 pm

12.50-2.00 pm

2.00-3.00 pm

3.00-4.00 pm

4.00-4.20 pm

4.20-5.20 pm

5.20-5.45 pm

5.45-6.45 pm

Theme

Renewable Energy Sources

Energy Efficiency

Closing Remarks

Farewell Cocktail

Lecture

Technologies for the conversion of Renewable Energy Sources – Part I

Coffee Break

Technologies for the conversion of Renewable Energy Sources – Part II

Technologies for the conversion of Renewable Energy Sources – Part III

Buffet Lunch

Efficiency in Energy end use – Part I

Efficiency in Energy end use – Part II

Coffee Break

Efficiency in Energy end use – Part III

Speaker

Dr. Pietro Menna, DG-TREN, European Commission

Prof. Gonzalo Molina Igartua, former Head of Unit at DG-TREN, European Commission

Prof. Ignazio Musu, TEN Center and Ca' Foscari University; Prof. Giuseppe Zollino, University of Padua

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