



**VIU**

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Venice  
International  
University

**TEN**

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Thematic  
Environmental  
Network

**ETM**

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Energy Technologies  
and Management  
Short Training Course

30 June-4 July, 2008

Venice International University  
Isola di San Servolo  
30100 Venezia

**Call for application**

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### 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.

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### 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.

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### Venue

The Short Training Course will take place at the premises of the Venice International University ([www.univiu.org](http://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/](http://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.

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### ETM Scientific Coordinator

Giuseppe Zollino,  
University of Padua

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### 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.

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### Language

The Course will be in English.

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### Schedule

The first Short Training Course is scheduled from Monday, June 30 to Friday, July 4 according to the draft agenda enclosed.

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### 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 will be served at VIU cafeteria. Accommodation will be available from the day prior to the beginning of the course.

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### Registration & Participation Fee

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

#### The Fee includes:

lecturing material;  
buffet lunch and coffee break;  
return tickets for connection to Venice;  
Closing cocktail;

#### How to register:

please email to  
Alessandra Fornetti at  
[alessandra.fornetti@univiu.org](mailto:alessandra.fornetti@univiu.org)  
object: ETM registration

**Deadline for registration  
is June 6, 2008**

Admission results and payment methods will be notified by June 9, 2008.  
The participation fee must be paid in a single sum prior to the beginning of the course.

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

Alessandra Fornetti  
[alessandra.fornetti@univiu.org](mailto:alessandra.fornetti@univiu.org)  
Tel. 0039 041 2719525

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## ETM

### Energy Technologies and Management Short Training Course

**Monday, June 30, 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, Reserves  
of Primary Energy sources and  
directions for the future

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, July 01, 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

Production, storage and use of Hydrogen

Coffee Break

Centralised and distributed generation

Speaker

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

Dr. Gennaro Di Michele,  
ENEL Research Centre

ETM

Energy Technologies  
and Management  
Short Training Course

**Wednesday, July 02, 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**

**The Coal Renaissance**

**The transport sector**

**Lecture**

Technologies for Co-generation and Tri-generation

Coffee Break

Clean-Coal Technologies

Technologies for Carbon Capture and Sequestration

Buffet Lunch

Energy demand and trends in the Transport sector: the role of biofuels

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

**ETM**

**Energy Technologies and Management  
Short Training Course**

Thursday, July 03, 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

**Safety and Waste Management  
issues of Nuclear Power Plants**

**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

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**Energy Technologies  
and Management  
Short Training Course**

Friday, July 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

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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