15 years of the European Nuclear Education Network (ENEN)

Academic session

March 1, 2018, 14:00-18:15
Koninklijke Vlaamse Academie van België, Paleis der Academiën
Hertogsstraat 1, Brussels, Belgium
In memoriam Professor Bal Raj Sehgal
The ENEN Association today and tomorrow

Leon Cizelj

President of the Board of Governors
European Nuclear Education Network (ENEN)
Geel, Belgium, February 2016
15 years, since 2003!

ENEN (66 members) is international non-profit organization with the mission to preserve and further develop the expertise in the nuclear fields by higher Education and Training.
OBJECTIVES

The main objective is the **preservation** and further **development** of expertise in the nuclear fields by higher Education & Training:

- Promote and further develop the **collaboration** in nuclear education and training of students, researchers and professionals
- Ensure the **quality** of nuclear education and training
- Increase the **attractiveness** for engagement in the nuclear fields for students, researchers and professionals
- Promote **life-long learning** and career development at post-graduate or equivalent level
European Union Council

“The Council hopes that, with the help of the EU, ENEN and its members will continue to develop the coordination of nuclear education and training in Europe.

The Council welcomes the existence within the European Union of coordinated teaching and training leading to qualifications in the nuclear field, provided notably by the ENEN”.

December 1-2, 2008
European Master Of Science in Nuclear Engineering (EMSNE)

• Since 2005
• 5 years university (360 ECTS)
• 60 ECTS nuclear
• 20 ECTS abroad
• ➔ more than 200 laureates
ENEN Ph D Events

12 finalists, 3 prizes annually

- 2nd at IYNC in Interlaken, Switzerland, 2008.
- 3rd at International Youth Conference on Energetics 2009 in Budapest, Hungary, 2009
- 4th PhD event, ENC 2010, Barcelona June 2nd, 2010
- 5th PhD event, ICAPP 2011, Nice May 4th, 2011
- 6th PhD event, Inter. Conf. Nuclear Energy for New Europe in Ljubljana, 2012
- 7th PhD event, Int. Conf. on Emerging Nuclear Energy Syst. (ICENES), in Madrid, 2013.
- 9th ENEN PhD Event & Prize took place in the framework of the International Congress on Advances in Nuclear Power Plants, ICAPP2015, in Nice, France, 5-6 May 2015
- 10th PhD event, European Nuclear Conference 2016, Warsaw, Poland, 9-13 October 2016
- 11th PhD Event, ANNETTE-PETRUS conference, Lisabon, Portugal, June 2017
Nuclear ETKM Communities within ENEN

Cooperating with ENEN
- Nuclear engineering (ENEN)
- Radiation protection (ENETRAP)
- Geological disposal of radioactive waste (PETRUS)
- Nuclear Security (ANNETTE)
- Fusion Engineering (ANNETTE)
- Medical Physics (ENEN+)
- Decommissioning (ELINDER)
- TSO (nuclear safety assessment, ENSTII)

Approaching ENEN
- GIF
- EERA JPNM (joint programing nuclear materials)
- OECD/NEA NEST initiative
- ...
The ENEN+ project

- **Attract** new talents to careers in nuclear.
- **Develop** the attracted talents beyond academic curricula.
- Increase the **retention** of attracted talents in nuclear careers.
- **Involve** the nuclear stakeholders within EU and beyond.
- **Sustain** the revived interest for nuclear careers.

The ENEN+ focuses on the learners and careers in:

- Nuclear reactor engineering and safety,
- Waste management and geological disposal,
- Radiation protection and
- Medical applications.
Our Achievements

Established
- Exchange of information, best practices, teachers and students
- Voluntary accreditation in academic education (quality assurance)
- Coordination of projects of mutual interests

In development (ANNETTE, ENEN+)
- Facilitating communication and cooperation between nuclear stakeholders
- Facilitating access to research infrastructures/projects and internships
- Voluntary accreditation in professional training (quality assurance)
- Coordination of ETKM activities (Education, Training, Knowledge Management) among different NUCLEAR communities
- Financial support for the mobility of students and teachers

1 MEUR for mobility 2018-2020
Future ambitions

Participate in strategic discussions and decisions on nuclear ETKM in EU and beyond.

ENEN AISBL in Brussels
Starts in 2018
www.enen.eu
Human Resources for Low Carbon Economy

Vladimír Šucha

Director General
Joint Research Center (JRC), European Commission
Fifteen years of successful cooperation between professionals and academia, as viewed by the European Nuclear Society

Alastair Laird

President
European Nuclear Society (ENS)
The ENEN Association
From FP5 to Horizon 2020

Joseph Safieh

past president
European Nuclear Education Network (ENS)
HONORARY AWARD

The European Nuclear Education Network, ENEN, awards:

Prof Dr Michel Giot

...this honorary commendation for his untiring efforts and limitless enthusiasm in the establishing, launching and operations of the European Nuclear Education Network Association.

15th Anniversary of the ENEN Association
Brussels, Belgium, 1 March 2018
HONORARY AWARD

The European Nuclear Education Network, ENEN, awards

Institut National des Sciences et Techniques Nucléaires
INSTM

this honorary commendation for the outstanding support in the launching and operation of the ENEN Association

15th Anniversary of the ENEN Association
Brussels, Belgium, 1 March 2018
HONORARY AWARD

The European Nuclear Education Network, ENEN, awards:
Studiecentrum voor Kernenergie-Centre d’Étude de l’Énergie Nucléaire SCK-CEN

this honorary commendation for the outstanding support in the launching and operation of the ENEN Association

15th Anniversary of the ENEN Association
Brussels, Belgium, 1 March 2018
Awards this honorary commendation to

in deep appreciation of untiring efforts and limitless enthusiasm in the establishing, launching and operations of the European Nuclear Education Network Association.

Presented at the 15th Anniversary of the ENEN Association
In Brussels, Belgium, on the 1st of March 2018.

Prof. Filip Tuomisto
Vice president

Prof. Leon Cizej
President
On the difficulty to address innovation in nuclear Fission

Hamid Aït Abderrahim

Chairman of the Governing Board
SNENETP
The importance of education and training for the future of the nuclear industry

Yves Desbazeille

Director General
FORATOM
Training and skills management for creating value in nuclear industry

Michel Maschi

President
Nuclear Generation II and III Association (NUGENIA)
Education and training activities in the radiation protection area

Michèle Coeck

member of MELODI E&T Working Group and Board
European Training and Education in Radiation Protection Foundation (EUTERP)
Skills and trends in operational Euratom safeguards – are we fit for the future?

Stephan Lechner

Director Euratom Safeguards
DG Energy, European Commission
ENEN+ Mobility

Call for 1 MEUR mobility grants

WE ARE OPEN

OPEN NOW

WE ARE OPEN

http://plus.enen.eu
Innovation and education, a virtuous circle

Daniel Iracane

Deputy Director General and Chief Nuclear Officer
OECD/NEA
Knowledge management and networking activities of IAEA

Wei Huang

Director of the Division of Planning, Information and Knowledge Management
IAEA
Current status of Russian nuclear power development and cooperation with Europe:
The issue of human resource development

Vladimir Artisyuk

Vice-Rector
Rosatom Technical Academy (RosatomTech)
Generation-IV International Forum
education and training initiatives

Konstatin Mikityuk

Co-Chair, Task Force on Education and Training
GEN IV International Forum
Thank you very much for your attention!

www.enen.eu