

# DigiDecom ELINDER 2020

Innovative Online Course on Nuclear Decommissioning  
30 November - 11 December 2020



## Pierre Kockerols

European Commission

Senior Expert



### Alma Mater

Engineer in Nuclear Technology  
Degree 1984  
Katholieke Universiteit Leuven,  
Belgium



### Expertise Areas

Nuclear Decommissioning  
Radiation Protection  
Nuclear Safety and Emergency  
Preparedness



### PERSONAL INTERESTS

Mountaineering  
Jogging and walking  
Tinkering  
Books

**MOTTO:** "Be yourself. Everyone else is already taken"



EMAIL  
LINKEDIN / RESEARCHGATE /  
WHATEVER LINK YOU LIKE

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## Dusan Daniska

WAI - AquilaCosting

Consultant



### Alma Mater

Slovak University of Technology  
In Bratislava

MSc.



### Expertise Areas

Nuclear Decommissioning Costing  
Software engineering



### PERSONAL INTERESTS

Books, Nature, Music

**MOTTO:** "Be yourself. Everyone else is already taken"

 [dusan.daniska@wai.sk](mailto:dusan.daniska@wai.sk)

 <https://www.linkedin.com/in/dusan-daniska>

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## Valentyn Bykov

Nagra

Project Manager Inventories & Logistics



### Alma Mater

PhD EPFL (Lausanne, Switzerland)  
MSc ETH (Zurich, Switzerland)  
BSc University of Illinois (USA)



### Expertise Areas

Neutron Transport and Activation  
Monte Carlo Variance Reduction  
MCNP Modeling



### PERSONAL INTERESTS

Hiking, Computer Hardware, Ludology

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## John Kickhofel

Apollo+

Managing Partner



### Alma Mater

ETH Zürich

Dr. sc. Nuclear Engineering

ETH-EPFL (-PSI)

M.Sc. Nuclear Engineering

University of Montpellier 1

D.U. Intl. Nuclear Law

Georgia Tech

B.Sc. Physics



### Expertise Areas

Nuclear Codes and Standards

Nuclear Engineering and Technology

Equipment Qualification

Nuclear Thermal-hydraulics

Supply Chain Management



### PERSONAL INTERESTS

Nature/Gardening

Racket sports

Photography

Hiking

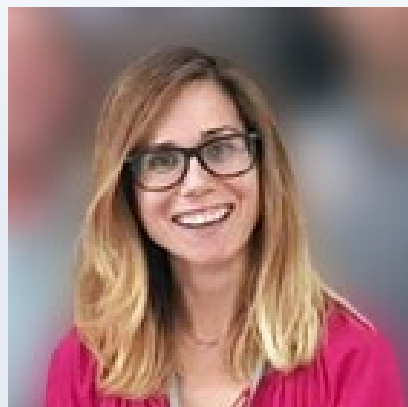
[jkickhofel@apolloplus.com](mailto:jkickhofel@apolloplus.com)

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## Francesca Onofrio

Sogin SpA

I'm a nuclear engineer and I work in the "Engineering and Radioprotection Department". I am currently the Design Project Manager for Garigliano NPP and Design Project Manager for the RPV dismantling (Garigliano, Trino, Caorso)



### Alma Mater

University

Degree: I graduated in nuclear engineering in 2001 at Università La Sapienza, Rome



### Expertise Areas

coordination of medium to large projects;  
team work and coordination of specialist resources;  
management of critical issues and respect of deadlines



### PERSONAL INTERESTS

Sport and travels

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**MOTTO:** "Be yourself. Everyone else is already taken"

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## Franz Bormann iUS Institut für Umwelttechnologien und Strahlenschutz GmbH

Managing Director / Senior Consultant



**Alma Mater**  
Universität Ulm  
Technische Universität Berlin  
Chemistry, Environmental Sciences & Engineering



### Expertise Areas

- Radiation protection
- Waste management
- Decomm Technologies
- Knowledge Management
- Project management

### Expectation from the course

Better understanding on needs and expectations for modern decommissioning solutions.



### PERSONAL INTERESTS

- Reading
- Outdoors
- Photography

MOTTO: "The fact that no one understands you, does not make you an artist"

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## István Szőke

Institute for Energy Technology (Norway)

Principal Researcher / Research program manager – digitalisation for decommissioning



Alma Mater

Eötvös Loránd University, HU

PhD Biophysics



### Expertise Areas

- Nuclear decommissioning
- Radiological protection
- Digitalisation
- Robotics
- Hazard modelling



### PERSONAL INTERESTS

- Hobby carpentry
- Gardening
- Sports

### Expectation from the course

Exchange knowledge with all the participants of the course.



MOTTO: "Love your family, be a good person, do something meaningful"

✉ [Istvan.Szoke@ife.no](mailto:Istvan.Szoke@ife.no)

🔗 [no.linkedin.com/pub/istv%C3%A1n-sz%C5%91ke-phd/71/17b/3/](https://no.linkedin.com/pub/istv%C3%A1n-sz%C5%91ke-phd/71/17b/3/)

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## Réka Szóke

Institute for Energy Technology (Norway)

Senior Researcher / Project manager



Alma Mater

Eötvös Loránd University, HU

PhD Nuclear and Environmental Chemistry, Material Science

## Expectation from the course

To gain knowledge how to use innovative technologies in decommissioning.



## Expertise Areas

Material science  
Radiation protection  
Waste management  
INAA/LOM/SEM/ab initio/ML  
Project management



## PERSONAL INTERESTS

Running, painting, skiing  
Baking/cooking  
Archaeology & travelling

MOTTO: "Be yourself. Everyone else is already taken"

✉ Reka.Szoke@ife.no

🔗 <https://www.linkedin.com/in/r%C3%A9ka-sz%C5%91ke-795663134/>



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## Lucy Murray

National Nuclear Laboratory/University of Liverpool

PhD Student, (IFE Secondee)



## Alma Mater

Lancaster University,  
University of Liverpool

Mphys, Physics and Mres, Risk and  
Uncertainty



## Expertise Areas

Radiation protection  
Risk Management  
Uncertainty Analysis



## PERSONAL INTERESTS

Travelling, cooking, reading

## Expectation from the course

To gain practical knowledge of the key challenges in decommissioning from a radiation protection perspective.

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## Sergio Segovia González

ENUSA Industrias Avanzadas (Spain)

Senior Researcher / Project manager / Development Engineer



## Alma Mater

Autonoma of Madrid, UAM

PhD Computer and Telecommunications Engineering – Artificial Intelligence.



## Expertise Areas

- Robotics – Artificial Intelligence.
- Radiation Measurement.
- Waste management.
- Inspection Techniques.
- Digital Twin
- Project management

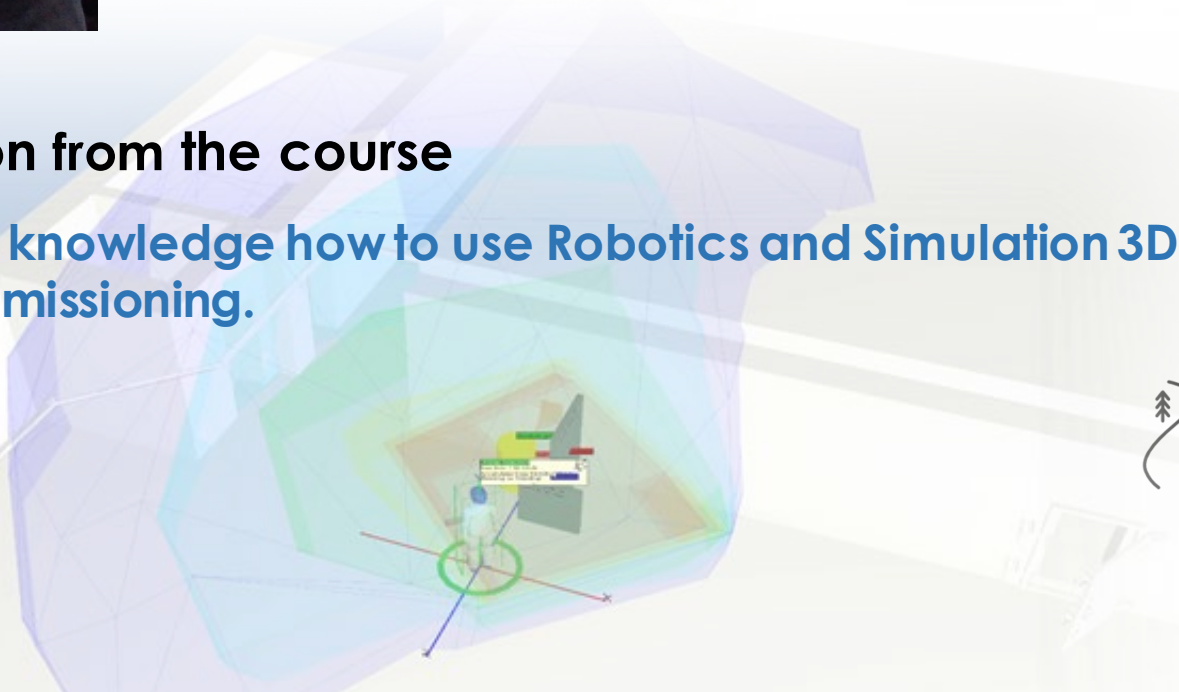


## PERSONAL INTERESTS

- Running, snowboarding.
- Cooking.
- Reading.
- Travelling.

## Expectation from the course

To gain knowledge how to use Robotics and Simulation 3D in decommissioning.



MOTTO: "f you want different results, do not do the same"

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[LinkedIn](#)

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## Ragnar Skattum

IFE, Institute for Energy Technology (Norway)  
Senior Engineer / Project manager



### Alma Mater

- Østfold ingeniørhøgskole
- Campus Vestfold

Mechanical engineer / Business economics and product development



### Expertise Areas

- Reactor operation
- Control room management
- Radiation protection
- Experiment execution
- Project management



### PERSONAL INTERESTS

- Tennis, skiing, mountain hiking
- Family
- Stock trading

## Expectation from the course

Learn more about digital tools related to practical decommissioning



MOTTO: "The simple solution is often the best"

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## Alexey Burdin

**Kola nuclear power plant (Russia)**

Engineer of radiation safety department



## Alma Mater

Petrozavodsk State University,  
Russia



## Expertise Areas

Radiation protection  
Software development and  
maintenance

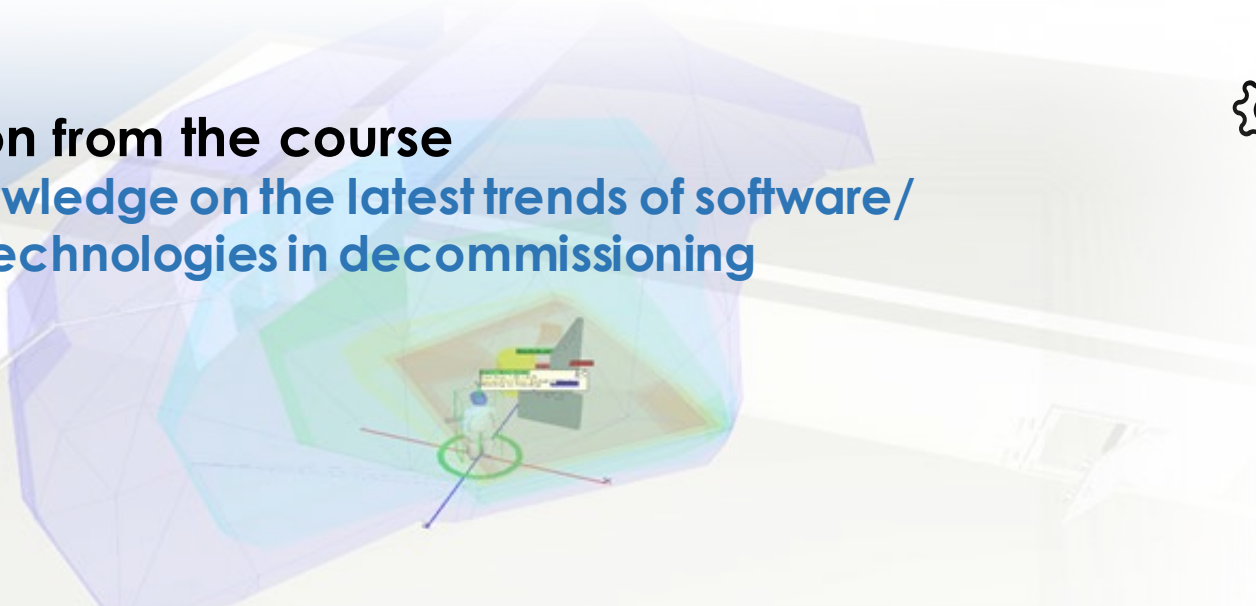


## PERSONAL INTERESTS

Programming, travelling

## Expectation from the course

To gain knowledge on the latest trends of software/  
computer technologies in decommissioning




# Sungmoon Joo

KAERI Korea Atomic Energy Research Institute (South Korea)

Decommissioning Technology Research Division

Principal Researcher, PhD

 [smjoo@kaeri.re.kr](mailto:smjoo@kaeri.re.kr)

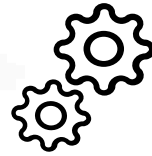
 <https://www.sunamoojoo.com/>



Alma Mater

Stanford University, USA

PhD Aeronautics and Astronautics (Space Robotics)



## Expertise Areas

Robotics and Remote Systems

Intelligent Dismantling

Reactor Controls and Instrumentation

## Expectation from the course

- To gain knowledge how to use innovative technologies in decommissioning
- To build connections



## PERSONAL INTERESTS

Hiking

Cooking

Movie

**MOTTO:** "Try to be better than you were yesterday"

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## Evgeny Ponomarev

Kola nuclear power plant (Russia)

Head of solid radioactive waste section



## Alma Mater

Military aviation engineering university,  
Stavropol, Russia



## Expertise Areas

- Waste characterization
- Waste treatment
- Waste management



## PERSONAL INTERESTS

Running, trail running, hiking,  
travelling

## Expectation from the course

To gain knowledge on the latest trends and modern approaches to decommissioning.



PonomarevEN@kolnpp.rosenergoatom.ru

MOTTO: "Self-development never stops"

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## Vivien Hein

iUS Institut für Umwelttechnologien und Strahlenschutz GmbH

Engineer/ Environmental and radiation protection



## Alma Mater

TU Darmstadt, GER

M.Sc. Environmental Engineering



## Expertise Areas

- Radiation protection
- Clearance
- Environmental protection

## Expectation from the course

To learn about innovative technologies and how they are used in decommissioning.



## PERSONAL INTERESTS

- hiking & table-tennis
- baking/cooking
- reading

✉ [hein@ius-online.eu](mailto:hein@ius-online.eu)

MOTTO: "Enjoy the little things in your life."

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## Thomas GERIN

**ENGIE Laborelec (Belgium)**

Senior Project Manager, in charge of D&D Program development



## Alma Mater

Louvain School of Engineering, BEL  
Mechanical Engineer



## Expertise Areas

Mechanical Maintenance  
Civil Engineering  
Equipment Reliability  
Project management

## Expectation from the course

To get an overview of issues, state-of-the-art techniques and strategies in D&D + ideas to develop D&D program of my company



## PERSONAL INTERESTS

Running, ultimate frisbee, cycling  
Guitar & Sax player  
Friends & Family Time

**MOTTO:** "Knowledge speaks, but wisdom listens"



**Thomas.Gerin@Engie.com**



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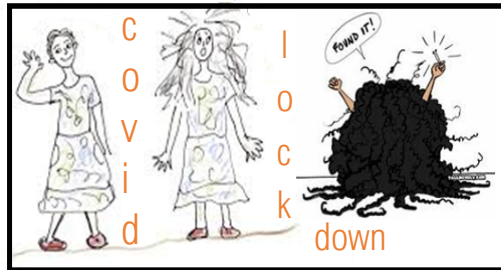


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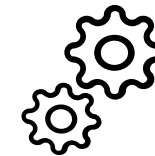


Peggy Vander Henst [NIROND\\_NIRAS\\_ONDRAF](mailto:NIROND_NIRAS_ONDRAF)  
Eng. reviewer nuclear decommissioning plans  
[P.vanderhenst@nirond.be](mailto:P.vanderhenst@nirond.be)  
Belgium



## Alma Mater

- Free University of Brussels
- Catholique University of Louvain
- Free University of Ghent



## Expertise Areas

- Radiation protection (patients)
- Waste management
- Decommissioning projects
- Calculation of the cost of a decommissioning
- Radiological Legal expert

## Expectation from the course

Looking for innovation in nuclear decommissioning, being faced with upcoming decommissioning of 7 powerplants in a line!



## PERSONAL INTERESTS

- Travelling worldwide
- Photography
- Aikido
- **Motto** travel the world and learn from other cultures

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## Frode S. Svendsen

IFE Institute for Energy Technology (Norway)  
Project manager/Designer



Högskolan i Skövde  
Design Engineer



## Expertise Areas

Experiment/Rig Design  
Mechanical Construction  
Project Management

## Expectation from the course

To gain knowledge how to use innovative technologies in decommissioning.



## PERSONAL INTERESTS

Boating

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## Riccardo Tognin

Nuvia Process (Italy)

IT Consultant - Real-Time 3D Graphics Expert



### Expertise Areas

3D Computer Graphics  
User Interface and Interaction Design  
Virtual / Augmented / Mixed Reality  
Developer and Programmer

### Expectation from the course

To learn about the use of innovative technologies in nuclear decommissioning.



### PERSONAL INTERESTS

Technology  
Sailing and Swimming  
Technology (again)  
Learning new things  
Technology (yes, again)

MOTTO: "When I look back I see the future"

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## Tamás Novotny, PhD

IFE Institute for Energy Technology (Hungary)

Researcher, Fuel and Reactor Materials Department

IFE Institute for Energy Technology (Norway)

Secondee

### Expectation from the course

To gain knowledge how to use innovative technologies in decommissioning.



### Expertise Areas

Material science,  
Fuel and Cladding Materials,  
Zirconium Oxidation,  
Hydrogen content in the metals



### PERSONAL INTERESTS

Underwater Rugby  
Kayaking,  
Travelling

[tamas.novotny@ife.no](mailto:tamas.novotny@ife.no)

MOTTO: "UWR forever"

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**Vladan STEFULA**

**NUVIA Process (France/Italy)**

**Decommissioning Senior Engineer @ JRC-Ispra site**



**Alma Mater**

Czech Technical University, Prague

Engineer (Ing.) of Nuclear Chemistry



## Expertise Areas

- Plant characterisation
- Radioactive waste management and material clearance
- Project management



## PERSONAL INTERESTS

Cycling – roads, trails, forest paths;  
all seasons

## Expectation from the course

Inspirations and ideas sharing. If it sounds like a wild fiction today, it will probably be a mundane reality in less than a decade. Decommissioning projects are long; digital technologies evolve quick.

**MOTTO:** "My mission is to decommission"

[Vladan.STEFULA@ext.ec.europa.eu](mailto:Vladan.STEFULA@ext.ec.europa.eu)

LinkedIn profile: Vladan STEFULA



## David Martin Smith

IFE Institute for Energy Technology (Norway)  
Engineer / Project manager



### Alma Mater

HIOA, NO

Bac. Mechanical Engineering

### Expectation from the course

To learn about the basics of decommissioning.



### Expertise Areas

Radiation protection  
Reactor operations  
Mechanical engineering



### PERSONAL INTERESTS

Outdoor activities  
Family life



David.Smith@ife.no

<https://www.linkedin.com/in/david-smith-1835a720>

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## Martin Monsen Stubberud

IFE Institute for Energy Technology (Norway)  
Senior Engineer



Norwegian University of Science and Technology

Bachelor in Electrical Engineering

### Expectation from the course

To get inspired and learn new skills



### Expertise Areas

- Electrical Maintenance
- Risk assessment
- Project management
- Industrial automation



### PERSONAL INTERESTS

- Trail cycling, snowboarding, cross-country skiing, motorcycling
- Music, reading



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## Maarten Becker

iUS Institut für Umwelttechnologien und Strahlenschutz GmbH (Germany)

Senior Engineer / Project manager



## Alma Mater

University of Aachen, Germany

PhD Nuclear Engineering

## Expectation from the course

Get information from developers and adopters of robotics and VR in decommissioning to current state-of-art of technology and to experience and performance.



## Expertise Areas

- Particle transport
- Activation analysis
- Radiation protection
- Waste management
- Project management



## PERSONAL INTERESTS

- Running, hiking, surfing
- Programming
- Literature



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## Igor Variukhichev

Kola Nuclear Power Plant (Russia)

Leading Engineer / Engineering Support Department



## Alma Mater

Ivanovo State Power University, Russia

Automatization of Technological Processes and Productions, Diploma Specialist



## Expertise Areas

- Project management
- Processes optimization
- Computer technologies appliance

## Expectation from the course

Gain knowledge about innovative decommissioning technologies and how to use them.



## PERSONAL INTERESTS

- Travelling
- Baking/cooking

VaryukhichevIY@kolnpp.rosenergoatom.ru

<https://www.linkedin.com/in/igor-variukhichev-54269211b/>

**MOTTO:** "Keep trying your best until you get the desired result, but be careful what you want"

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## Flaviano BRUNO

Sogin s.p.a

Responsible of the Radwaste management and Nuclear Material Area.



### Alma Mater

University

Degree: M.s Degree in Nuclear Engineering at University of Rome "La Sapienza"



### Expertise Areas

Project Management of large projects;  
Multidisciplinary Team Leading;  
Radioactive Waste Management;  
Processes Innovation;



### PERSONAL INTERESTS

SPORTS and TRAVEL

MOTTO: "Plurimae Gentes Unus Populus"

EMAIL: [bruno@sogin.it](mailto:bruno@sogin.it)  
LINKEDIN / RESEARCHGATE /  
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