



SPEAKERS

Kresna AT KHEN



Kresna AT KHEN works at EDF Research and Development division at Chatou in France. He is project manager and expert researcher on severe accidents. After a PhD on fluid mechanics at CEA and ESPCI, he entered the R&D division of EDF where he worked on critical heat flux experiments in porous media, on cable fires experiments, on the design of annealing furnaces for photovoltaic cells, on modelling of cooling tower droplet separators and on modelling of severe accident subjects. He also stayed 4 years in the engineering division of EDF in Lyon to work mainly on corium interactions topics, for EPR design and the current nuclear fleet in operation.

Guillaume BUCHER



After several years of experience as a nuclear power plant operator trainer across various French nuclear power plants, Guillaume transitioned to EDF's engineering division in Lyon. His responsibilities included working on severe accident management strategies for the EPR reactor family (FA3, HPC, EPR2, EPR1200), as well as contributing to the development of accident codes and simulators. He served as a member of EDF's national crisis team before assuming a role within the NUWARD project, focusing on managing the severe accident domain.

Stéphane CALPENA



Stéphane Calpena has joined Newcleo as Global Licensing Director & Board member in July 2023. He pursued his engineering education in France at IMT-Alès and Mines ParisTech and was nominated as a senior official (Ingénieur du corps des mines). He worked 30 years in licensing, environment, radiation & nuclear safety for different regulators (ASN, UK-ONR, DREAL); for the IAEA and the European Commission (DG-ENER) and for ITER organization before joining newcleo. He is also the author or co-author of several safety related publications including international IAEA and EU guidance.

G rard CENERINO



Mr G rard C n rino has been working on severe accident as engineer at the Institute of Radioprotection and Nuclear Safety (IRSN), Paris, France for more than 40 years. He is an IRSN senior expert in the field of the analysis of Severe Accidents. He was chairman of several international severe accident expert groups (MDEP-Multinational Design Evaluation Programme, ETSO-European Technical Safety Organizations Network). He participated in the IRSN review of the severe accident mitigation strategy for the generation II PWRs in France in the framework of Plant Life Extension and to the severe accident mitigation strategy for the French Flamanville EPR reactor.

L on CIZELJ



Prof. Leon Cizelj is a distinguished figure in nuclear engineering and currently heads the Reactor Engineering Department at the Jo ef Stefan Institute in Ljubljana, Slovenia (<http://r4.ijs.si/en>). In this position, he oversees research, education, technical support for nuclear facilities, and science communication. Prof. Cizelj is Professor of nuclear engineering at the Faculty of Mathematics and Physics of the University of Ljubljana. He served as President of the European Nuclear Society (ENS, www.euronuclear.org) from 2022 to 2023, demonstrating his leadership in advancing European nuclear science. Prof. Leon Cizelj is also an active member of the Governing Board of the Sustainable Nuclear Energy Technology Platform (www.SNETP.eu) and of the European Technical Safety Organisation Network (www.ETSON.eu). He is an active promoter of sustainable nuclear technology and advocates for improved safety measures within the European nuclear sector.

Philippe DEJARDIN



Mr. Philippe Dejardin holds a master in nuclear engineering from the Belgian Nuclear Education Network. He started his career in Tractebel more than 15 years ago and his contributions to the severe accidents research community started in 2010 within SARNET-2 followed by others in OECD, Euratom, NUGENIA and MELCOR and ASTEC codes User's Groups frames. He managed Tractebel Severe Accidents Group between 2015 and 2022 and is now Lead Engineer on SMR for Nuclear Safety & Engineering aspects, contributing notably to the CSNI Expert Group on SMR as well as to the development of the NUWARD reactor.

Isabelle DUHAMEL



Isabelle DUHAMEL currently serves as the Head of the IRSN Severe Accidents Department, overseeing the development and validation of the ASTEC simulation tool. She holds a Master's degree in Physics from the University and a degree in Nuclear Engineering from the National Institute of Nuclear Science and Technology. Joining IRSN in 1999, Isabelle initially contributed to criticality and reactor physics assessment studies. Over two decades, she dedicated her expertise to developing and validating criticality calculation tools, designing experimental programs, and advancing safety assessments. Her skills led to her promotion to Deputy Head of the Major Accidents Division, where she managed safety studies and assessments

Ulla ENGELMANN



Ulla Engelmann holds a PhD in radiochemistry from the Technical University of Karlsruhe (now KIT). She began at JRC Ispra in 1992 and later led the PR department. In 2004, she held various roles in JRC and joined DG GROW in 2017. There, she managed SME networks, including industrial clusters and Enterprise Europe Network. In 2023, she became the JRC Karlsruhe Site Director and JRC Director G for Nuclear Safety and Security. Her mission involves implementing the JRC Euratom Research and Training Programme, overseeing a 40 million euro budget, and leading 320 staff across sites in Germany, Belgium, the Netherlands, and Italy, fostering nuclear competences in Europe.

Florian FICHOT



Florian Fichot, a research engineer and expert at the Institute of Radioprotection and Nuclear Safety (IRSN, France), specializes in severe accidents in nuclear power plants. With nearly 30 years at IRSN, Florian focuses on developing models for industrial system codes like ICARE and ASTEC. He holds a Ph.D. in Mechanical Engineering from Ecole Centrale Paris and has contributed to numerous journal papers and international projects sponsored by OECD and EURATOM. Florian also coordinated the H2020 European project IVMR on In Vessel Retention for high power reactors. He authored a chapter in the book 'Nuclear Safety in Light Water Reactors' (published by Academic Press in 2012) and delivers lectures for international organizations like NUGENIA (EU), IAEA, and INSTN.

Roger GARBIL



Mr Roger GARBIL is Head of the Fission Sector of the Euratom Research Unit of the Directorate General for Research and Innovation, at the European Commission in Brussels, Belgium. Graduated as a Nuclear Physicist at the University of Saint-Etienne, in 1995, in France, he has worked since in nuclear fusion and fission research for 25 years. He is a true promoter of Euratom research and training activities and innovation, cross-cutting infrastructures, education, training, mobility and international cooperation e.g. as an expert at IAEA, GIF, and OECD/NEA.

Karine HERVIOU



Karine Herviou has been the Deputy Director-General of the Institute for Radiation Protection and Nuclear Safety (IRSN) since 2020, overseeing the Nuclear Safety of Installations and Systems Division (PSN). From 2017 to 2020, she served as the Director of Systems, New Reactors, and Safety Approaches within the same division. Holding a degree in Atomic Engineering from INSTN, she joined IRSN in 1991, holding various positions as a nuclear safety expert and in emergency preparedness and management. Throughout her career, she notably coordinated safety expertise activities for the EPR Flamanville 3 reactor as a Project Manager. She also led the expertise for complementary safety assessments conducted in France following the Fukushima Daiichi nuclear accident.

Jean-Christophe NIEL



For 30 years, Dr Jean-Christophe NIEL has gained a long experience in the control of nuclear safety and in radioprotection through various positions, at the French technical safety organization "Institut de Radioprotection et de Sûreté Nucléaire" (IRSN) and at the French nuclear safety authority "Autorité de sûreté nucléaire" (ASN). He was Director General of ASN for almost 10 years. The President of the French Republic appointed Jean-Christophe Niel at the head of IRSN in April 2016. He has been reappointed in April 2021 for five years. Dr Niel currently chairs the Committee on the Safety of Nuclear Installations (CSNI) of the Nuclear Energy Agency (NEA). He has recently been appointed member of the International Nuclear Safety Group (INSAG) by the Director General of IAEA, Raphael Grossi.

Jan PANEK



Jan Panek is Director for Nuclear Energy, Safety and ITER in the European Commission's Directorate-General for Energy since February 2021. He previously served since 2005 in various Head of Unit positions in European Commission's Directorates-General for Energy and for Justice and Consumers, dealing in turn with the ITER project, oil and coal policies, energy market monitoring, retail energy markets, and consumer protection. Jan Panek joined the European Commission after an earlier career in the diplomatic service of the Czech Ministry of Foreign Affairs during which he occupied positions in the Ministry's headquarters as well as in Czech diplomatic missions in Tokyo and Brussels. He also spent several years in the 1990s with the Boston Consulting Group in its London and Central European offices. Jan Panek holds a B.Sc. in Applied Geophysics from Charles University in Prague and an M.A. in International Economics/A.F.P. from The Johns Hopkins University – S.A.I.S. in Washington, D.C. He is also a Chartered Financial Analyst (CFA) charterholder.

Gabriel PAVEL



Gabriel Pavel is the Executive Director of ENEN, an organization comprising more than 90 institutions, primarily from Europe. This organization holds robust ties with international entities worldwide. Gabriel Pavel's main duties revolve around crafting and overseeing educational and training (E&T) projects while formulating the E&T strategy and managing operations at ENEN. Currently, Gabriel Pavel is actively overseeing the implementation of 15 E&T projects, showcasing his adeptness in project management and execution. Before taking on this role, he served as a lecturer at the University Politehnica of Bucharest, specializing in Nuclear Engineering. His expertise extends across several countries, where he participated in numerous specialized programs and stages to hone his skills and broaden his knowledge base.

Federico ROCCHI



Federico Rocchi got his PhD in Nuclear Engineering from the University of Bologna, where he also worked as research assistant for 12 years, before joining ENEA in 2010. Since 2017 he is the Head of the ENEA Laboratory for the Safety of Nuclear Installations. His experience ranges from LWR neutronics and core physics to decommissioning, severe accidents and nuclear and radiological emergency preparedness and response. He has been responsible from 2015 to 2018 of the Italian research program on nuclear safety. He represents ENEA to the IAEA TSO Forum, the IAEA Nuclear Security Guidance Committee, the OECD/NEA CSNI, ETSON, and is also involved in the NUGENIA Technical Area 2 on Severe Accidents.