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for the next GEN IV webinar
SCK•CEN's R&D on MYRRHA

SCK•CEN is actively working on designing and building a new multifunctional research installation: MYRRHA as *in* Multi-purpose hYbrid Research Reactor for High-tech Applications. This webinar will present the MYRRHA project, an accelerator driven system coupling a sub-critical Pb-Bi cooled reactor and a high power proton accelerator through a spallation target which is the very first prototype of a nuclear reactor driven by a particle accelerator in the world. As an external source of neutrons, this particle accelerator maintains the nuclear fission chain reaction. It is referred to as a subcritical reactor: the core does not contain enough fissile material to spontaneously maintain the chain reaction. This innovative nuclear technology is safe and easy to control. When the particle accelerator is stopped, the chain reaction also stops automatically within a fraction of a second.

Free webcast

Wednesday March 21, 2018 at 8:30 am EDT (UTC-4)



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Who should attend: policy makers, managers, regulators, students, general public

Meet the Presenter...

Dr. Hamid Aït Abderrahim is both the Deputy Director General of SCK•CEN, the Belgian nuclear research center, and a professor of reactor physics and nuclear engineering at the "Université Catholique de Louvain" (UCL) at the Mechanical Engineering Department of the "Ecole Polytechnique de Louvain (EPL)". Since 1998, he has been the director of the MYRRHA project. He is a partner and/or coordinator of various projects of the European Commission framework programme related to advanced nuclear systems or to partitioning and transmutation of high level nuclear waste management. From September 2007 to December 2011, he chaired the Strategic Research Agenda (SRA) working group of the European Sustainable Nuclear Energy Technology Platform (SNETP, <http://www.snetp.eu>) and has been the chairman of the Governing Board of SNETP since 2015. He represents Belgium in the Governing Board of the project JHR (Jules Horowitz Reactor). He has authored more than 100 scientific publications in peer review journals and international conferences. In April 2014, he was honored by the King of Belgium who nominated him as "Grand Officer in the Crown Order" for his contributions in progressing science and knowledge in the field of nuclear engineering of innovative systems for High Level Waste management. On February 15, 2016, he received the title of Doctor Honoris Causa to the Kaunas University of Technology for his personal achievements and long term collaboration with Kaunas University, especially with the Baršauskas Ultrasound Research Institute.



The Generation IV International Forum invites you to attend web-based lectures on the next generation of nuclear energy systems and other cross-cutting subjects. Join internationally recognized subject matter experts and leading scientists in the nuclear energy arena for these short presentations.

Upcoming Webinars

April 18, 2018	Russia BN 600 and BN 800, Dr. Iurii Ashurko
May 23, 2018	Proliferation Resistance of Gen IV Reactor Systems, Dr. Robert Bari
June 7, 2018	The MOSART Project, Dr. Igor Ignatiev

For more information, please contact: Patricia Paviet at patricia.paviet@nuclear.energy.gov or visit the GIF website at www.gen-4.org

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