

The Antenna

NEWSLETTER FROM A.N.T. INTERNATIONAL No.58 2024

REMINDER OF UPCOMING ZIRAT AND LCC SEMINARS IN 2024

Don't forget to sign-up for the Annual Seminars on Fuel (ZIRAT28) and Coolant Chemistry/Corrosion and Structural Material Degradation (LCC19) Seminars. The ZIRAT28 and LCC19 Seminars will take place in Madrid during April 9-11, 2024 while the ZIRAT28 Seminar will also take place in Charlotte, NC, USA during May 29-30, 2024. Only members of the ZIRAT28 and LCC19 can attend the Seminars. For more information, please click here: [Seminar Invitation](#) »

Please contact me at: mikaela.rudling@antinternational.com if you are not a ZIRAT/LCC member yet but interested in joining the ZIRAT/LCC programmes allowing you to attend the Seminars.



ZIRAT AND LCC SEMINARS IN 2024

The Seminars are valuable for all engineers with different backgrounds from engineers with little experience to experts in their fields.

Last year, 2023, 110+ customers from 27 different organisations/11 countries participated in our seminars in US and Europe. Our Seminars were very well appreciated by our customers. The overall opinion on the different Seminars was 4.4 ranked on a scale from 1 (bad) to 5 (excellent).

We are now pleased to announce the arrangements for the ZIRAT28 and LCC19 Seminars that will take place in USA (ZIRAT28) and Spain (ZIRAT28 and LCC19). These seminars are open to all current ZIRAT and LCC members. A.N.T. International is most grateful to Iberdrola in Spain and EPRI in US, for kindly hosting the Seminars as follows.



In US, the ZIRAT28 Seminar will be hosted by EPRI, Charlotte, North Carolina, US and will be held during May 29-30, 2024.



In Europe, the LCC19 and ZIRAT28 seminars will be hosted by Iberdrola Generacion Nuclear in Madrid and will be held on the Iberdrola Campus in San Agustin de Guadalix. The LCC19 and ZIRAT28 Seminars will be held on April 9-11, 2024.

THE MOST RECENT A.N.T. INTERNATIONAL EXPERTS

I am very happy to announce four new Experts: Mr. Omar Agatiello, Prof. Igor Pioro, Dr. János Schunk and Dr. Nicolas Waeckel. With these additional Experts, A.N.T. International has now access to 43 world class Experts that can provide various services to you.

Mr. Omar Agatiello is a chemical engineer with post-graduation in nuclear engineering and in health physics. He has more than forty years of experience in the nuclear field covering activities in the areas of plant operation, plant project and plant service and refurbishment. He worked as senior chemical engineer, senior health physicist, project manager, and director in the nuclear operations division of Atomic Energy of Canada Ltd., later Candu Energy Inc., a subsidiary of SNC Lavalin Nuclear.

He has hold operating general and specific licenses as Radiation Protection and Health Physics Superintendent in three NPPs. The activities carried out along his early career as radiation protection superintendent, chemistry control superintendent, and senior advisor, include plant operation (10 years), construction, commissioning, and start up of new NPPs (13 years) nuclear facilities decommissioning (4 years) and refurbishment of aged NPPs (6 years) in about 20 NPPs worldwide, were a relevant, valuable experience in holding the positions of Director and Senior Advisor and starting the service and consulting activities.



MR. OMAR AGATIELLO

Professor Igor Pioro – Ph.D. (1983); Doctor of Technical Sciences (1992); Professional Engineer (Ontario, Canada) (2008); Foreign Fellow of the National Academy of Sciences of Ukraine (2021); Fellow of the American Society of Mechanical Engineers (ASME) (2012), Canadian Academy of Engineering (2023), Canadian Society of Mechanical Engineers (CSME) (2015), and Engineering Institute of Canada (EIC) (2013); life-time member of the American Nuclear Society (ANS) (2004), and member of Canadian NS (CNS) (2010); is an internationally recognized scientist within the areas of nuclear engineering (thermalhydraulics of nuclear reactors, Generation-IV nuclear-reactor concepts, etc.) and thermal sciences / engineering (boiling, forced convection including supercritical pressures, etc. (<https://nuclear.ontariotechu.ca/people/faculty/dr-igor-pioro.php>)).

Dr. Pioro graduated from the National Technical University of Ukraine “Kiev Polytechnic Institute” with M.A.Sc. in Thermal Physics in 1979. After that, he has worked on various positions including an engineer, senior scientist, deputy director, professor, director of a graduate program in nuclear engineering, and associate dean. Currently, he is associated with the Department of Energy and Nuclear Engineering Faculty of Engineering and Applied Science, University of Ontario Institute of Technology (brand name: Ontario Tech University) (Oshawa, Ontario, Canada).



**PROFESSOR
IGOR PIORO**

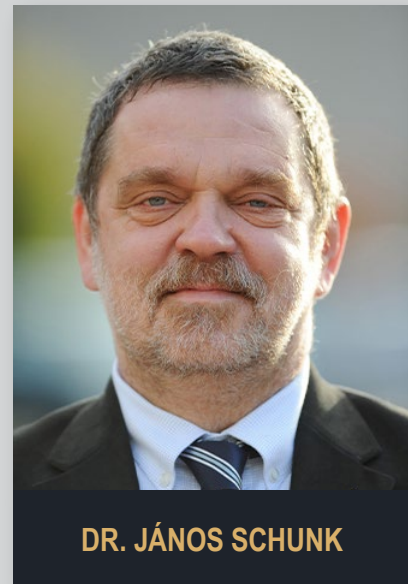
Dr. Pioro is a Founding Editor – Editor-in-Chief of the ASME Journal of Nuclear Engineering and Radiation Science (J. NERS). He was a Chair of the Executive Committee of the Nuclear Engineering Division (NED) of the ASME (2011-2012) and a Chair of the International Conference On Nuclear Engineering (ICONE-20) (2011-2012). For more information, please click here: [Prof. Igor Pioro – A.N.T. International \(antinternational.com\)](https://www.antinternational.com) »

Dr. János Schunk graduated as chemical engineer (MSc, 1977) and has a post-graduation diploma in applied radiochemistry (1980), Dr. techn. degree in chemistry (1986) and the "honorary associate professor" title (2006) from Veszprém University (Hungary).

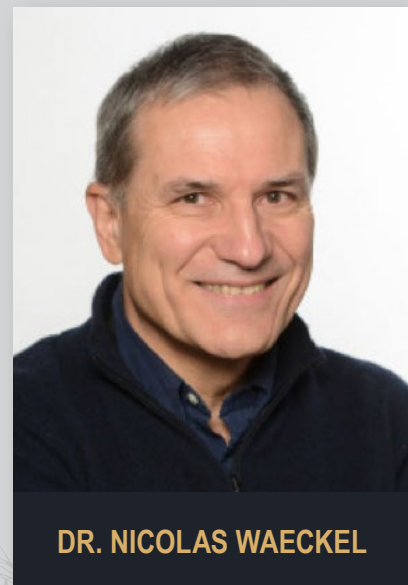
He has been working in nuclear power industry for about 46 years, starting his career at Paks NPP, where he participated in construction, commissioning, start-up and operation of all the four WWER-440 units. His experience and expertise – among others – covers primary and secondary water chemistry, chemistry and radiochemistry control, nuclear corrosion, radwaste treatment, decontamination technologies, power upgrade, lifetime extension and refurbishment. During these activities different positions have been held by him (head of laboratory control, head of decontamination technologies, head of chemistry technology section, head of chemistry department).

From 2011 he joined to Paks2 NPP dealing with preparation of implementation of two new build 3+ generation WWER-1200 units. There he was in charge of the department for chemistry, radiation protection, radwaste treatment and environmental protection. By intensive co-operation with Russian Contractor different licensing activities have been co-ordinated by him (eg. environmental licence, dose constraints, water right licence). Plant systems Basic and Detailed Design Documentation, the Preliminary Safety Assessment Report have been prepared and Implementation Licence have also been received from the nuclear authority (HAEA) during this period.

He was also engaged as IAEA and WANO consultant participating in many OSART and Peer-reviews, Expert Missions, Consultations, co-ordinated programmes, preparation of IAEA Tec Docs, Safety Guides, Special Reports related to chemistry, radwaste treatment and decontamination technology.



Dr. Nicolas Waeckel has worked in the Nuclear Engineering Branch of Electricité de France (EDF) from 1984 to 2020. In 2011 he becomes EDF Corporate Expert regarding Fuel & Core safety analysis and related international R&D activities. He spent 3 years at EPRI in Palo Alto in the late 1990 as Project Manager of the Fuel Regulatory Committee of the Fuel Reliability Program. He was Chairman of the international Nuclear Fuel Industry Research program (NFIR) from 2001 to 2022 and was member of the HALDEN Board (Halden Reactor Project) from 2008 to 2020 and of the Studsvik Cladding Integrity Project (SCIP) Board of Management from 2004 to 2020. Nicolas has a PHD and a post-PHD Thesis on Structural Mechanics. He retired from EDF in 2020.





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CONTACT

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