



21st edition of ESARDA Course

April 24th-28th, 2023, Via Video Conference (MS TEAMS)



Mon., April 24 th		Tue., April 25 th		Wed., April 26 th		Thu., April 27 th		Fri., April 28 th	
08:45 09:00	Connection to the course	08:45 09:00	Quiz on Monday lectures	08:45 09:00	Quiz on Tuesday lectures	08:45 09:00	Quiz on Wednesday lectures	08:45 09:00	Quiz on Thursday lectures
09:00 10:00	Opening - M. Lahti, ESARDA President - W. Janssens, JRC GII Dpt. Head - S. Nonneman, JRC GII7 Unit Head - K. Abbas, ESARDA Course Director	09:00 09:45	Japan's State System for Accounting for and control of Nuclear Material (SSAC), T. Terasaki, JSGO NRA, JP	09:00 09:40	Nuclear Trade Regulation, Q. Michel (QM), Liege University, BE	09:00 09:30	On-site Inspection, C. Kröger-Negoită, EC ENER, LU	09:00 09:45	Information Collection and Analysis, J. Baute, IAEA, AU
10:00 10:45	History of Non-Proliferation, T. Jonter, Stockholm University, SE	09:45 10:30	French NMAC, L. Roussel, ORANO, FR	09:40 10:15	Overview of the NSG's controls in the EU DU regulation and Model AP, F. Sevini (FS), EC JRC, IT	09:30 10:15	Radionuclide Monitoring in the Environment, M.B. Kalinowski, CTBTO, AU	09:45 10:30	Satellite Imagery, P. Struzka, SATCEN, ES
10:45 11:15	Virtual Group Picture and Break	10:30 10:45	Break	10:15 10:30	Break	10:15 10:30	Break	10:30 10:45	Break
11:15 12:00	EURATOM, Historical Facts, M. Gerlini, Siena University, IT	10:45 11:45	Group Exercise 1, LVdD	10:30 11:15	NDA I: Gamma-Ray Spectrometry, K. Abbas, EC JRC Ispra, IT	10:30 11:15	Monitoring Containment/Surveillance, P. Funk, IRSN, FR	10:45 11:30	State Level Safeguards, J. Dahlberg, IAEA, AU
12:00 12:45	Nuclear Material & Facilities Subject to Safeguards, G. Janssens-Maenhout, EC JRC Ispra, IT	11:45 12:45	- Legal Instruments Implementing NPT, I. Suseanu (IS), IAEA, AU - Presentation of the G. Exercise 2	11:15 12:00	NDA II: Neutron Counting, P. Peerani, EC JRC Ispra, IT	11:15 12:00	Statistical Accounting, R. Bencardino, EC JRC, IT	11:30 12:15	Safeguards and Nuclear Export Control Arrangements, M. Tarvainen, MJT, FI
12:45 14:00	Break	12:45 14:00	Break	12:00 13:30	Break	12:00 13:45	Break	12:15 13:45	Break
14:00 14:45	Small Modular Reactors G. Renda et al, EC JRC, IT	14:00 14:45	Virtual Lab Visit 1 V. Sequeira et al., EC JRC, IT	13:30 14:15	Virtual Lab Visit 2 K. Abbas, EC JRC, IT R. Rossa, SCK CEN, BE	13:45 14:30	A Fast-Spectrum Pool-Type Research Irradiation Facility, MYRRHA Project, H. Ait Abderrahim, MYRRHA, BE	13:45 14:00	Quiz on morning lectures
14:45 15:45	- Nuclear Fuel Cycle, L. Van den Durpel (LVdD), Nuclear-21.Net, BE - Presentation of the G. Exercise 1	14:45 15:45	Groupe Exercise 2, IS	14:15 15:00	DA: Destructive Assay in Safeguards, K. Toth, EC JRC Geel, BE	14:30 15:00	Case Study: Are IAEA safeguards an effective nuclear non-proliferation means? J. Vidaurre-Henry (JVH), Consultant, AU	14:00 15:00	Closing - Course Evaluation - Closing Addresses
15:45 16:00	Break	15:45 16:00	Break	15:00 15:15	Break	15:00 15:15	Break		
16:00 16:45	Nuclear Material Accounting and Control (NMAC) principles, N. Edmonds, Sellafield, GB	16:00 17:00	Cont.: Groupe Exercise 2, IS	15:15 16:00	Nuclear Forensics, M. Wallenius, EC JRC Karlsruhe, DE	15:15 16:15	Case Study Continued, JVH		
						16:15 17:00	Physical Protection, C. Crawford, ORNL, US		