



# ANIMMA 2021

## Tuesday, June 22, 2021

### 07 Nuclear Fuel Cycle, Safeguards and Homeland Security - VIRGO (2:00 PM - 4:00 PM)

-Conveners: Andrea FAVALLI; Imad LAKTINEH

time	[id] title	presenter
2:00 PM	[133] #07-133 Unmanned Aircraft Systems Based Radiological Mapping of Buildings and Objects	LAZNA, Tomas
2:20 PM	[206] #07-206 Safeguards investigations based on gamma spectrometry to determine the activity ratio of fission products in spent fuel assemblies of VVER-440 Nuclear Reactor	KIRCHKNOPF, Péter
2:40 PM	[166] #07-166 Simulation and Development of Prototype Simplified Neutron Scatter Camera for Nuclear Safeguards Applications	HARVEY, Taylor
3:00 PM	[88] #07-88 Neutron time-of-flight technique for nuclear material localization using plastic scintillators	DEYGLUN, Clément
3:20 PM	[78] #07-78 Characterization of a Special Nuclear Material fast identifier in respect to ANSI and IEC standards to be used for nuclear interdiction to detect the presence of threat items	MORICHI, Massimo
3:40 PM	Empty	

# Wednesday, June 23, 2021

## 07 Nuclear Fuel Cycle, Safeguards and Homeland Security - AQUARIUS (2:00 PM - 4:00 PM)

-Conveners: Gilles MOUTIERS; Richard KOUZES

time	[id] title	presenter
2:00 PM	[226] #07-226 Study of natural uranium fuel for new reactor design TEPLATOR	PELTAN, Tomáš
2:20 PM	[142] #07-142 Ruggedized High Purity Germanium Detectors for in-situ Gamma Spectroscopy	MARIAN, Vlad Dr GINSZ, Michael
2:40 PM	[135] #07-135 Qualification Test System for Radiation Detection Devices - QuTeSt	RISSE, Monika
3:00 PM	[86] #07-86 Design and Optimization of $4\pi$ Directional Radiation Detector based on Compton Effect	GHELMAN, Max
3:20 PM	[7] #07-7 Low-resolution gamma spectroscopy to estimate the concentration of uranium ores and the radioactive disequilibrium with two energy bands	MARCHAIS, Thomas
3:40 PM	[15] #07-15 Characterization of Inelastic Proton Scattering on Carbon for Active Interrogation Applications	JOVANOVIC, Igor

## 07 Nuclear Fuel Cycle, Safeguards and Homeland Security: Parallel Intensive Oral Sessions - VIRGO (4:20 PM - 5:20 PM)

-Conveners: Abdallah LYOUSSEI; Luka SNOJ

time	[id] title	presenter
4:20 PM	[252] #07-252 Passive neutron multiplicity counting with PVT plastic scintillators for plutonium characterization in radioactive waste drums	BOTTAU, Vincent
4:25 PM	[241] #07-241 The Mini Labyrinth – A Simple Benchmark For Radiation Protection And Shielding Analysis	VRBAN, Branislav
4:30 PM	[212] #07-212 Evaluation of the characteristics of CdZnTe-detectors for the quality of non-destructive assays of nuclear fuel using passive tomography methods	MASLOV, Oleg
4:35 PM	[202] #07-202 A comparison of bounding approach with isotopic correction factors and Monte Carlo sampling in burnup credit method	HAROKOVÁ, Pavlína
4:40 PM	[199] #07-199 Optimising Detecting Geometry for Improved Pulse Shape Discrimination Performance in Plastic Scintillation	PARKER, Andrew
4:45 PM	[181] #07-181 Timepix3 detector network for nuclear waste monitoring	BISKUP, Bartolomej
4:50 PM	[178] #07-178 URANIA-V: An innovative solution for neutron detection in homeland security applications	FARINELLI, Riccardo
4:55 PM	[151] #07-151 Tests of various scintillator detectors in selected monoenergetic neutron beams	MATEJ, Zdenek
5:00 PM	[113] #07-113 The $\text{natIn}(n, \gamma)^{116\text{mIn}}$ reaction cross-sections - An important neutron monitor reaction	PARASHARI, Siddharth MUKHERJEE, Surjit
5:05 PM	[112] #07-112 A computational methodology for estimating the detector pulse-height spectrum in gamma-ray spectrometry of irradiated nuclear fuel	SENIS, Lorenzo
5:10 PM	[108] #07-108 UO <sub>2</sub> thermal diffusivity measurement with laser techniques	DOUALLE, Thomas
5:15 PM	Empty	

# Thursday, June 24, 2021

## 07 Nuclear Fuel Cycle, Safeguards and Homeland Security - TAURUS (2:00 PM - 4:00 PM)

-Conveners: Thomas KORMOLL; Igor JOVANOVIC

time	[id] title	presenter
2:00 PM	[28] #07-28 Characterization of nuclear waste packages by active photon interrogation with mobile or stationary systems based respectively on 7 or 9 MeV linacs	SARI, Adrien
2:20 PM	[3] #07-3 Neutron coincidence measurements and Monte Carlo modelling of waste drums containing reference nuclear material	BORELLA, Alessandro
2:40 PM	[14] #07-14 Boron Coated Straws imaging panel capability for neutron emission tomography for source localization inside radioactive drums	BEN MOSBAH, Mehdi
3:00 PM	[5] #07-5 Plastic Scintillators With Tunable Decay Time	MATTHIEU, Hamel
3:20 PM	[245] #07-245 Development of a miniaturized furnace for Scanning Electron Microscopy: Thermal modelling, manufacturing and tests	MENDONÇA, Jérôme
3:40 PM	[209] #07-209 New development from Orano Mining in the field of nuclear instrumentation to improve Uranium extraction and recovery.	TOUBON, Hefvé

## 07 Nuclear Fuel Cycle, Safeguards and Homeland Security: Parallel Intensive Oral Sessions - LEO (4:45 PM - 5:25 PM)

-Conveners: Vlasios PETOUSIS; Mehdi BEN MOSBAH

time	[id] title	presenter
4:45 PM	[107] #07-107 Toward UO <sub>2</sub> micro/macro machining: A Laser processing approach	DOUALLE, Thomas
4:50 PM	[103] #07-103 Performance assessment of amplification and discrimination electronic devices for active neutron measurements	ELEON, Cyrille
4:55 PM	[76] #07-76 ENTRANCE project on EfficienT Risk-bAsed iNspection of freight Crossing bordERs	SANNIE, Guillaume
5:00 PM	[70] #07-70 New Neutron Signal Acquisition and Processing Platform for Nuclear Safeguards	MORICHI, Massimo
5:05 PM	[42] #07-42 Peak Area Consistency Evaluation in Gamma Spectrometry	PERSSON, Henrik
5:10 PM	[40] #07-40 Contamination Tests of New Silicone-Based Detectors for Beta-Alpha Radiation in Water	SARTORI, Paolo
5:15 PM	[6] #07-6 Monte Carlo calculations of the fluid and tubing effects on the gamma count rate of the NGRS probe	MARCHAIS, Thomas
5:20 PM	Empty	