

HOUR	INAC 2019								
	21 (Monday)								
ROOM	Netuno	Mercurio	Terra	Urano	Urano	Venus	Marte	Jupiter	
08:30-09:00	INAC Opening Ceremony -								
09:00-09:30									
09:30-10:00	INAC Opening Round Table								
10:00-10:30									
10:30-11:00									
11:00-11:30	COFFE BREAK								
11:30-11:50	Sponsor Lecture: Framatome								
11:50-12:10	Sponsor Lecture: WESTINGHOUSE								
12:10-12:30	Sponsor Lecture: ENGIE								
12:30-14:00	LUNCH (free)								
14:00-14:20			ENIN Technical Session N07 - Nuclear Security, Non-Proliferation, Safeguards, Key Lecture: Empowering Human Resources and Professional Development in the Brazilian Nuclear Sector - Fabiano Petrucci - Advisor, GSI	Round Table: New Radiopharmaceuticals and Expansion of Nuclear Medicine in Brazil Wilson A. Parejo Calvo - Instituto de Pesquisas Energéticas e Nucleares - chair	ENAN Key Lecture: Chair: Frederico Genezini "Neutron Science applied to	ENFIR Key Lecture "CHALLENGES IN TIME CRISIS, MANAGING A NUCLEAR			
14:20-14:50				C Alte Antônio Capistrano de Freitas Filho - Gabinete de Segurança Institucional da Presidência da República Carlos Alberto Buchizuel -	E12-004 New Gold-198 nanoparticle synthesis to be used in cancer treatment. Carla Daruich de Souza	ENFIR Technical Session R02 Nuclear Reactor Physics	ENFIR Technical Session R01 Nuclear Reactor Physics	ENFIR Technical Session R11 Man Machine Interface	
14:50-15:10									
15:10-15:30						ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R01 Nuclear Reactor Physics	ENFIR Technical Session R04 Artificial Intelligence and Virtual Reality	
15:30-16:00		ENIN Workshop: Challenges of New Nuclear Power Plants Deployment - Participants: Leonam Guimarães (EletroNuclear), Celso Cunha (ABDAN), Admiral Capistrano (GSI), André Osório (MME)	ENIN Technical Session #1 (N09): Human Resources and Professional Development	Technical Session (E08) Medicine and Health Chair: Margareth Mie N. Matsuda ENAN Key Lecture: Development of Irradiation System to obtain New Radioisotopes for use as Tracers and Therapies at IPEN/CNEN Cyclotron Accelerators Facilities Henrique Barcellos de Oliveira - IPEN-CNEN/SP	Cultural Heritage Chair: Pablo A. Vasques Salvador ENAN Key Lecture: On going Research and New Practice for Conservation using Gamma Radiation in the field of Cultural Heritage Laurent Cortella, ARC- Nucléart/CEA, Grenoble France	ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R01 Nuclear Reactor Physics	ENFIR Technical Session R04 Artificial Intelligence and Virtual Reality	
16:00-16:20					E08-108 Breath test optimization with Carbon stable isotopes to detect Helicobacter pylori infection	E15-016 Preservation Of Documentary Collections By Gamma Irradiation -	ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R01 Nuclear Reactor Physics	ENFIR Technical Session R05 - Nuclear Reactor Fuel Fabrication and Design
16:20-16:40					E08-072 Dental Enamel Submitted To Gamma Radiation and Er,Cr:YSGG Laser Associated To Fluoride	E15-004 Effect Of Ionizing Radiation On The Color Of Botanical Collections - Exsiccata	ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R01 Nuclear Reactor Physics	ENFIR Technical Session R05 - Nuclear Reactor Fuel Fabrication and Design
16:40-17:00					E08-032 Influence Of Contrast Injection Flux On The Outcome Of The Angiotomography For The Diagnosis Of Pulmonary Embolism	E15-005 Effect Of Ionizing Radiation On The Color Of Featherwork	ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R01 Nuclear Reactor Physics	ENFIR Technical Session R14 - Nuclear Power Plant Viability, Design, Construction and Operation
17:00-17:20					E08-053 Finite Element Method For The Diffusive Radiative Transfer Equations	E15-002 Irradiation Protocol For Cultural Heritage Conservation Treatment			
17:20-17:40	ENIN + ENFIR: Small Modular Reactor Overview Course: From Theory to Deployment Leveraging Global Experience to Application in Brazil	ENIN - Challenges of Nuclear Medicine	Round Table: Opportunities for Brazil is the Nuclear Area and sensitive technology in international Forums	E08-038 A Resorbable Scaffold For Bone Replacement	E15-017 Dating Aeolian Sediments From Cabo Frio, Rio De Janeiro, Using Ti-Li Center Electron Spin Resonance, Thermoluminescence And Optically Stimulated Luminescence: A Comparative Study.				
17:40-18:00				E08-013 Evaluation of PVDF/Bi2O3 as Biomaterial Visible by Computed Tomography	E15-022 Archaeometry And Archaeology: Preliminary Studies Of The Ceramics From Archaeological Sites Of The Upper Madeira River/Rondonia - Brazil.				
18:00-18:30	Opening of Expo INAC & Cocktail (Salão Via Láctea - parte central)								
18:30-19:00									
19:00-20:30									

HOUR	INAC 2019															
	22 (Tuesday)															
	INAC 2019			XIV ENAN			XXI ENFIR									
ROOM	Netuno	Mercurio	Terra	URANO	URANO	URANO	Venus	Marte	Jupiter							
08:30-09:00	ENAN+ENFIR+ENIN: RMB	ENIN Session #2 (N03):	ROUND TABLE FASEN -													
09:00-09:30	A Structuring and Technological Drag Project for the Nuclear	Plant Operation Strategies, Cost, and Capacity Factors in	Nuclear Energy Association Forum													
09:30-10:00																
10:00-10:30	COFFE BREAK															
10:30 - 10:50	Sponsor Lecture: KRANTZ - STIAG															
10:50 - 11:10	Sponsor Lecture: ROSATOM															
11:10-11:30	Round Table: New Trends in Nuclear Research and Development - Dra. Marianne C. Walck (INL)															
11:30-12:00																
12:00-12:30																
12:30-14:30	LUNCH (free) / VISIT TO Expo INAC 2019															
14:30-14:50	W-S Thor	ANGRA 1 NPP LONG TERM OPERATION PROGRAM Jose Augusto Ramos do Amaral, Coordinator, Technical Directorate, Eletrobras Eletronuclear	ENIN Technical Session #3 (N03): Plant Operation Strategies, Cost, and Capacity Factors in Nuclear Generation - Part 2	Round Table : Radiation Technology for Science and Industry Wilson A. P. Calvo - Instituto de Pesquisas Energéticas e Nucleares - chair	Safety and Quality of Irradiated Food, Eric Macchione - Université de Strasbourg, Strasbourg, France	Recent Advances on the Gas Cooled 4th Generation Nuclear Reactor using Advanced Integrated Measurements Techniques - Muthanna H. Al-Dahhan - Missouri University of Science and Technology, USA	Gamma Irradiation: a tool for remedial conservation, Laurent Cortella - ARC-Nucléart/CEA, Grenoble France	Trends and Alternative Technologies, João Antonio Conte - ABENDI - Associação Brasileira de Ensaios Não Destrutivos e Inspeção	Technical Session (E11) Biology Chair: Daniel P. Vieira E11-009 Correlation Analysis Of Inorganic Elements In Whole Blood Of Grmd Dogs Using Inaa	ENFIR+ENIN Key Lecture: "TRENDS AND TRAINING IN NUCLEAR SECURITY" Prof. Dr. Francesco d'Errico - University of Pisa, Italy						
14:50-15:10									E11-013 Evaluation Of Interference Of Matrix In The Measurement Of The Neutron Cross-Section Of Solutions Containing Amino Acids							
15:10-15:30									ENIN Key Lecture NUCLEAR GENERATION IN BRAZIL'S ENERGY PLAN André Osório, Director, Dept of Information and Energy Studies, MME		E05-071 Acquisition of Neutron Detector Spectra of the Type Of BF ₃ , He3 And S10 Using The Winspect System In The Argonauta Reactor of IEN-CNEN-RJ	Technical Session (E01) Radiation Protection Chair: Malvina Boni-Mitake E01-003 Determination of Transmission Factors for Photons In Multilayered Shieldings Using 4 Materials: Comparison Between Analytical Formulae And Computational Modeling	ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R08 Reactor Safety Analysis	ENFIR Technical Session R01 Nuclear Reactor Physics	
15:30-15:50									ENIN Session #5 (N01): Decentralization of the Energy Generation Sector		E02-056 Polymer/Oil Films For Gamma-Ray And Neutron Dosimetric Gloves	E01-065 Anatomical Movement Replicator Applied To Activities In Ionizing Radiation Fields	ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R08 Reactor Safety Analysis	ENFIR Technical Session R01 Nuclear Reactor Physics	
15:50-16:10											E02-040 Interpolation Studies Of A 3d Dosimetric System For Quality Assurance In Radiation Therapy	E01-077 Radon Concentrations On The Nuclear and Radioactive Installations of Nuclear Reactor Center - CRPa/Ipen	ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R08 Reactor Safety Analysis	ENFIR Technical Session R01 Nuclear Reactor Physics	
16:10-16:30											E01-008 Communication About Occupational Exposure: Linking Workers To High-Quality Information		ENFIR Technical Session R02 Nuclear Reactor Thermal Hydraulics	ENFIR Technical Session R08 Reactor Safety Analysis	ENFIR Technical Session R01 Nuclear Reactor Physics	
16:30-17:00	COFFE BREAK / VISIT TO Expo INAC 2019															
17:00-17:20	W-S Thor	ENIN Key Lecture UPDATE ON BRAZILIAN NUCLEAR SUPPLY CHAIN Celso Cunha, President, ABDAN	R&D FINANCIAL INCENTIVE POLICY BY THE BRAZILIAN GOVERNMENT: "LEI DO BEM" Bruno Meneged, Senior Manager, Ernst & Young	Technical Session (E09) Food Sciences Chair: Anna Lucia R.R. Villavicencio ENAN Key Lecture: Risks of false positive detection rates of non-irradiated nuts Eric Macchione - Université de Strasbourg, Strasbourg, France	E02-023 Characterization And Calibration Of Glass Beads For Dosimetry In Gamma Range	E07-065 Evaluating a primary waste water treatment plant by numerical analysis of experimental data.	ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Technical Session R08 Reactor Safety Analysis	ENFIR Technical Session R01 Nuclear Reactor Physics							
17:20-17:40										ENIN Session #6 (N02): Advances of New Nuclear Power Plants Deployment	E02-067 Dependence of the glow curve of alumina ceramic radiation detectors with the heating rate	E07-017 Statistical Procedure to Calibrate Pipeline Flow Meters Using Radiotracers and the Transient Time Method.	ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Technical Session R12 - Nuclear Reactor Licensing and Regulation	ENFIR Technical Session R01 Nuclear Reactor Physics	
17:40-18:00										ENIN Session #7 (N10): Research & Development	E09-021 Food Irradiation: Communication Strategies To Bridge The Gap Between Scientists And The Public	E02-041 Radiochromic Film Calibration For Dosimetry In Chest Ct Scans	E07-029 Volume Fractions Calculation On Multiphase Stratified Regime On Cylindric Duct Using Gamma Ray And Mcnp Code	ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Technical Session R12 - Nuclear Reactor Licensing and Regulation	ENFIR Technical Session R01 Nuclear Reactor Physics
18:00-18:20										Women in Nuclear Brazil: Reinforcing a Positive Attitude Towards Nuclear - Dra. Neida del Maestro, President WIN Brazil	E10-012 Identification Of Management In Dairy Cattle By Stable Isotope Analyses Of Carbon And Nitrogen In Milk	E02-98 Comparative Dosimetric Study Of Pediatric Pet/Ct Tests	E07-033 Use of I123 Radiotracer to Model the Oil Non-Ideal Laminar Flows in Pipelines.	ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Technical Session R12 - Nuclear Reactor Licensing and Regulation	ENFIR Technical Session R01 Nuclear Reactor Physics
18:00 - 19:00																

HOUR	INAC 2019										
	23 (Wednesday)										
ROOM	INAC 2019	VI ENIN	XIV ENAN				XXI ENFIR				
	Netuno	Mercurio	Terra	Urano	Urano	Urano	Urano	Venus	Marte	Jupiter	
08:30-09:00	ENIN+ENFIR+ENAN - Radioactive Waste Disposal: National and International Approaches - Chair - Rogério Mourão (CDTN); Mr. Nicolas Solente (ANDRA); Mr. Jiri FALTEJSK (IAEA) and Ms. Cledola Cássia Tello (CDTN)	ENIN -Business Modeling for New Nuclear Plants - Key Lecture VALUATION AND MODELING OF NEW POWER PLANTS Felipi Bonafido Alves, Senior Director, Alvarez & Marsal Brasil									
09:00-10:00		ENIN Technical Sessions - Business Modeling for New Nuclear Plants									
10:00-10:30	COFFE BREAK (Salão Via Láctea - parte central)										
10:30-10:50	Nuclear Ambassadors Award										
10:50 -11:30	Navy Nuclear Program Round Table: (1) The safety II and the Nuclear Energy (2) Decommissioning of Nuclear Submarines										
11:30-12:00	Round Table: The role of nuclear in a clean energy future Mr. Bret Kugelmiss										
12:00-12:30											
12:30-14:30	LUNCH										
14:30-14:50		Key Lecture - Nuclear Power and Public Acceptance Prof. Dr. Francesco D'Errico, University of Pisa, Italy		ENAN Technical Session (E04): Environmental Sciences Chair: Sueli I. Borrelly E04053 Convergence Between Studies on Ecosystem Services and Nuclear Technology - A Necessary Approximation		ENAN Technical Session (E03): Nuclear Analytical Techniques Chair: Maria Angela de Barros C. Menezes ENAN Key Lecture: Nuclear Data for the k0 neutron activation method Radojko Jacimovic Josef Stefan Institute Slovenia		ENAN Technical Session (E13) Materials Science and Technology Chair: Yasko Kodama ENAN Key Lecture: Converging Technologies for Improving Human Health - Contribution of Nanotechnology and Ionizing Radiation Ademar B. Lugão IPEN/CNEN-SP	ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Key Lecture: "TERRA PROJECT UPDATE (2019), A BRAZILIAN NUCLEAR SPACE MICROREACTOR DEVELOPMENT" - Prof. Dr. Lamartine N. F. Guimarães - IEAV, Brazil	ENFIR Technical Session R10 Computational Fluid Dynamics
14:50-15:10			ENAN Key Lecture: Radioactive Waste Management Routes in France. Nicolas Solente Andra Chateaux-Malabry, France	E04-106 Evaluation Of The Soil Conditions To Study For Selectivity Of Uranium Adsorption On Ion Exchange Resins					ENFIR Technical Session R03 Applied Mathematics and Computation		ENFIR Technical Session R10 Computational Fluid Dynamics
15:10-15:30			E06-047 Challenges for the Implementation of the Brazilian Repository for Low and Intermediate-Level Radioactive Wastes	E04-115 Identification Of Sources Of Particulate Matter (Pm2.5) In Belo Horizonte City, Mg	E03-042 Progress And Trends For Radiation Applications In Clinical Practice	E13-184 Quality Assurance In The Production Of Components Of Fuel Elements		ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Technical Session R06 Advanced Nuclear Reactors		ENFIR Technical Session R10 Computational Fluid Dynamics
15:30-15:50		ENIN Technical Session #9 (N06): Public Acceptance, Social Responsibility, Social Impact of Nuclear Technologies	ENIN Technical Session #10 (N08) Technology Innovation Trends - PART 1 and 2	E06-032 Comparing Deep Learning Architectures On Gamma-Spectroscopy Analysis For Nuclear Waste Characterization -	E04-156 Uranium Determination by Fluorimetry	E03-056 Comparison Of Two Methodologies For Spectra Analysis In Coincidence Neutron Activation Analysis	E13-023 Validation Of The Homogenization Method For UO2 Powders Blended By Drum Mixing Process (Rollmixer) Regarding To Z3SU Content	ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Technical Session R06 Advanced Nuclear Reactors		ENFIR Technical Session R10 Computational Fluid Dynamics
15:50-16:10			E06-060 Brazilian Clays as Potential Buffer Materials for Radioactive Waste Final Storage	E04-146 Allium Cepa Used As A Non-Human Biota For Risks Assessment Due To Alpha Emitters In The Environment	E03-076 Application Of Mcn6 Code To Detect Cement And Concrete Elements Based On The Neutron Activation Analysis Technique	E13-169 Evaluation of Ordered Mesoporous Silica SBA-15 Dispersed in Epoxy Resin		ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Technical Session R06 Advanced Nuclear Reactors		ENFIR Technical Session R10 Computational Fluid Dynamics
16:10-16:30		ANDRA - Key Lecture: Public Acceptance on Waste Repository - Nicolas Solente, Andra Agence Nationale pour la Gestion des Déchets Radioactifs, France		E06-57 Retrieval and Conditioning of Radium Sources-Containing Package in Panama	E04-149 Bioburden Proliferation in Vehicle Air Filters Waste: The Use Of Gamma Radiation On Fungal Decontamination - Simone Aquino, José	E03-105 Exhalation Rates Determined In Construction Material Produced From Niobium Waste	E13-038 Ionizing Radiation Applied To One Step Conversion From Different Sources Of Chitin	ENFIR Technical Session R03 Applied Mathematics and Computation	ENFIR Technical Session R10 Computational Fluid Dynamics		ENFIR Technical Session R10 Computational Fluid Dynamics
16:30-17:00	COFFE BREAK										
16:30-18:30	POSTER Presentation										

HOUR		
	24 (Thursday)	25 (FRIDAY)
	INAC 2019	INAC 2019
ROOM	Netuno	
08:30-09:00	MENTORING Program	TECHNICAL VISIT - IPEN
09:00-09:30		
09:30-10:00		
10:00-11:00		
11:00-11:30	Closing Ceremony e Award Ceremony	
11:30-12:00		
12:00-12:30		
12:30-14:30	AFTERNOON FREE	
14:30-15:00		
15:00-15:30		
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