



PROGRAM

26.10.2017 (10:30-17:30)			
09:00	REGISTRATION (90')		
10:00	WELCOME COFFEE (30')		
10:30 Welcome Address and Introduction			
10:35	IFIN-HH's contribution to advanced scientific computing infrastructure	Mihnea Dulea	IFIN-HH
SPONSORS SESSION (11:00-13:00)			
11:00	DELL EMC - Modernize and transform your DataCenter	Dan Bogdan	DELL
11:40	The Face of the Future: Lenovo HPC and AI Technology	Roşca Ionuţ	Lenovo
12:20	Hewlett Packard Enterprise AI and HPC Solutions	Volodymyr Saviak	HPE
13:00	LUNCH BREAK (60')		
SESSION: E-INFRASTRUCTURES FOR LARGE-SCALE COLLABORATIONS (14:00-17:30)			
14:00	JINR computing infrastructure	Gheorghe Adam	JINR
14:45	GÉANT HPC Liaison Use Case	Rudolf Vohnout	CESNET
15:05	Romanian Research and Education Network. Status and Future development	Octavian Rusu	ARNIEC
15:30	COFFEE BREAK (30')		
16:00	VI-SEEM Virtual Research Environment	Dušan Vudragović	IPB
16:30	ELI-NP: towards the definition of the computing needs for HPLS and Nuclear Physics	Teodor Ivănoaica	IFIN-HH
17:00	JINR CMS Tier-1 center	Nicolae Voytishin	JINR
Free Time			
20:00 CONFERENCE DINNER			

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27.10.2017 (10:00-17:30)							
SESSION: RO-LCG SITES REPORTS - Part I (10:00-11:00)				SESSION: NUMERICAL ANALYSIS AND APPLICATIONS			
10:00	Worker Nodes running on OpenStack for the RO-03-UPB site	Mihai Cărăbaș	UPB	10:00	Runge-Kutta methods of special type	Liviu Ixaru	IFIN-HH
10:30	RO-14-ITIM, upgrades for a diskless site	Felix Fărcaș	ITIM	10:30	Adapted numerical methods for partial differential equations generating periodic wavefronts	Beatrice Paternoster	University of Salerno
10:45	Life without storage element in RO-16-UAIC site	Ciprian Pinzaru	UAIC				
11:00 COFFEE BREAK (30')							
SESSION: HIGH-THROUGHPUT COMPUTING (11:30-13:00)				11:30	Multichannel Scattering Problem with Nonseparable Angular Part as Boundary-Value Problem	Vladimir Melezhhik	RUDN
11:30	Use of containers in high-throughput computing at RAL	Andrew Lahiff	RAL	12:00	Solving quantum mechanical problems using finite element and Kantorovich methods	Sergue Vinitisky	JINR
12:00	Deployment of new technologies in a complex RO-LCG site	Mihai Ciubăncan	IFIN-HH				
12:30	RAL Tier-1 Evolution as a Global CernVM-FS Service Provider	Cătălin Condurache	RAL	12:30	Invariant preserving numerical approximation of stochastic differential equations	Raffaele D'Ambrosio	Univ. of L'Aquila
13:00 LUNCH BREAK (60')							
SESSION: HETEROGENEOUS COMPUTING INFRASTRUCTURES (14:00-15)				14:00	Interpolation Hermite polynomials in simplexes for high-accuracy finite element method	Alexander Gusev	JINR
14:00	HybriLIT based high performance computing in JINR	Gheorghe Adam	JINR	14:30	Quantum three-body problem and high performance computing	Vladimir Korobov	JINR
14:40	Value-added services provided by NGI-RO Operations Centre	Ionuț Vasile	IFIN-HH				
SESSION: MODELING AND APPLICATION DEVELOPMENT - Part I				15:00	Regularized Integration Method for Rapidly Oscillating Functions at the presence of degeneracy	Konstantin Lovetskiy	RUDN
15:00	Applications and Computational Challenges of the Wigner Function Formalism	Daniel Berenyi	Wigner RCP				



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15:30	COFFEE BREAK (30')		
16:00	Reconstruction algorithms for CMS and BM@N experiments	Nicolae Voytishin	JINR
16:30	Deep Learning Optimization Strategies in Designing Laser-Plasma Interaction Experiments. Applications in Big Data Predictive Analytics	Andreea Mihăilescu	INFLPR
17:00	The NGI-RO Monitoring Portal	Corina Dulea	IFIN-HH

28.10.2017 (10:00-12:30)			
SESSION: MODELING AND APPLICATION DEVELOPMENT - Part II			
10:00	RoNBio: a molecular modeling system for computational biology	George Necula, Ionuț Vasile	IFIN-HH
10:30	Predictive Modelling for Designing High Order Harmonics Generation Optimal Experiments Using Azure ML	Andreea Mihăilescu	INFLPR
11:00	COFFEE BREAK (30')		
11:30	Numerical Analysis and Validation of Observational Data for Near Earth Object Detection	Liliana Boldea	IFIN-HH
SESSION: RO-LCG SITES REPORTS - Part II (11:45-12:00)			
11:45	ISS Grid sites – current status and future plans	Liviu Irimia	ISS
12:00	CLOSING SESSION: Conference review		
12:30	LUNCH		
13:30	Visit to the Peles Castle		

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