conferenceseries.com

1774th Conference

Scientific Program

5th International Conference on Theoretical and Applied Physics

July 02-03, 2018 | Vienna, Austria



UK: Conference Series IIc LTD

47 Churchfield Road, London, W3 6AY Toll Free: +0-800-014-8923 https://appliedphysics.physicsmeeting.com/

08:30-09:00 Registration Desk Opens

Day 1 July 02, 2018

Meeting Room-Fleming's Room 6

conferenceseries.com 09:00-09:25

Opening Ceremony

	Keynote Forum
09:25-09:30	Introduction
09:30-10:05	Title: Unification of gravitational and electromagnetic forces
	Ling Jun Wang, University of Tennessee at Chattanooga, USA
10:05-10:40	Title: Natural field: A new fundamental entity of nature
	Debabrata Saha, Northern Virginia Section of IEEE Information Theory Society, USA
	Networking and Refreshments Break 10:40-11:00 @ Foyer
	Group Photo 11:00-11:10
11:10-11:45	Title: Classification of multidimensional solitary solutions of the GKP equation by use
	of qualitative and asymptotic analysis Varily Yu Balachay Kazan Ecderal University Dussia
Sossions The	Vasily Yu Belashov, Kazan Federal University, Russia pretical Physics Experimental Physics Computational Physics Plasma Physics
Supercondutiv	
Session Chair:	Ling Jun Wang, University of Tennessee at Chattanooga, USA
Session Co-Ch	n air: Vasily Yu Belashov , Kazan Federal University, Russia
11:45-12:05	Title: Theory and applications of inverted fireballs
	Johannes Gruenwald, Gruenwald Laboratories, Austria
12:05-12:25	Title: Analyzing causality of molecular interactions: A case study of molecular dynamics simulation of protein-RNA system
	Higmet Kamberaj, International Balkan University, Republic of Macedonia
12:25-12:45	Title: Spectroscopic manifestation of the strong nuclear interaction in solids
	Vladimir G Plekhanov, Fonoriton Sci. Lab, Estonia
12:45-13:05	Title: Quasi-isentropic compressibility of deuterium at pressure region of ~12 TPa
	Mikhail A Mochalov, Russian Federal Nuclear Center, Russia
	Lunch Break 13:05-14:05 @ Flemings Restaurant
14:05-14:25	Title: About the new axioms and laws
	Valentina Markova Kirilova, Bulgarian Academy of Sciences, Bulgaria
14:25-14:45	Title: Ultrafast photoemission from plasmonic nanotriangles and applications
	Benedek J Nagy, Wigner Research Centre for Physics, Hungary
14:45-15:05	Title: Verification of Cooper pairing prior to superconductivity, applying electric field
	Naoum Karchev, Sofia University, Bulgaria
15:05-15:25	Title: Parametrical optimization of inductively coupled RF ion thruster design
	Ümmügül Erözbek Güngör, Middle East Technical University, Turkey
15:25-15:45	Title: The EOS properties of asymmetric nuclear matter with the effect of the three-body
	Mohamed El-Zohry, Sohag University, Egypt
	Networking and Refreshments Break 15:45-16:05 @ Foyer
16:05-16:25	Title: Problems of high-power laser radiation measurement
	Shaidullin R I, Moscow Institute of Physics and Technology, Russia

16:25-16:45	-	
	Albiomy Abd El-Daiem, Sohag University, Egypt	
16:45-17:05	Title: Piezoelectric resonance spectroscopy of crystals exhibiting ionic conducitvity	
	Aleksei Koniashkin, Moscow Institute of Physics and Technology, Russia	
	Panel Discussion	
	Day 2 July 03, 2018	
Meeting Room-Fleming's Room 6		
	Keynote Forum	
09:30-09:35	Introduction	
09:35-10:10	Title: Explosion of collapsed supernova and hot big bang of the universe driven by	
	Qiuhe Peng, Nanjing University, China	
10:10-10:45	Title: History and current status of research on nitride semiconductors	
	Takashi Matsuoka, Tohoku University, Japan	
	Networking and Refreshments Break 10:45-11:05 @ Foyer	
	Title: General method for direct transfer function estimation using parallel, non-	
11:05-11:40	redundant, complex exponential phase difference chains, with applications to high-	
	speed, high-spatial resolution atmospheric turbulence compensated imaging systems	
	William W Arrasmith, Florida Institute of Technology, USA	
Sessions: Exp	erimental Phyiscs Astrophysics Particle Physics Lasers and Optics Biophotonics	
	Qiuhe Peng, Nanjing University, China	
Session Co-Cho	air: Takashi Matsuoka , Tohoku University, Japan	
	Session Introduction	
11:40-12:00	Title: Modified CD method and simulation of vortical structures in plasma and fluids	
	Vasily Yu Belashov, Kazan Federal University, Russia	
12:00-12:20	Title: Laser Modal analysis, an effective tool in reshaping a multimode laser beam into	
	an optimized thin light sheet used in ultramicroscopy imaging technique	
	S Saghafi, Vienna University of Technology, Austria	
12:20-12:40	Title: Consequences of the Maneff's theory	
	Ganka Stoeva Kamisheva, Bulgarian Academy of Sciences, Bulgaria	
	Title: Physical-mathematical method of more precise rendering of gravitation constant magnitude and Plank's parameters of length, time and mass	
12:40-13:00	Valentyn A Nastasenko, Kherson State Maritime Academy, Ukraine	
	Lunch Break 13:00-14:00 @ Flemings Restaurant	
	Poster Presentations: 14:00-14:20	
	Title: Concept of equivalent temperature of laser crystals and glasses	
14:20-14:40	Aleksei Koniashkin, Moscow Institute of Physics and Technology, Russia	
	Title: Direct test for matter – antimatter imbalacle in the Universe and experimental	
14:40-15:00		
1 11 10-10.00	Petteri Pusa, University of Liverpool, UK	
	Title: Thermal limits of fiber lasers power scaling	
15:00-15:20	Shaidullin R I, Moscow Institute of Physics and Technology, Russia	
15:20-15:40	Title: Theoretically IR and Raman spectra of propane using GAMESS	
	Ayesha Mohyuddin, University of Management and Technology, Pakistan	
	Title: Defects of Newton's third law of motion and a new law	
15:40-16:00	Rajkumar Thapa, Holy Angel's E B School, Nepal	
	Networking & Refreshment Break: 16:00-16:20 @ Foyer	
	Certificate Felicitation & Closing Ceremony	
	Certificate renenation & closing Ceremony	