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4th International Conference on

# Astrophysics and Particle Physics

Particle Physics 2018

December 03-05, 2018, Chicago , USA

## Tentative Scientific Program

**Day 1**
**December 03, 2018**

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|---|---|
| **09:00-09:30** | **Registrations** |
| **09:30-09:55** | **Opening Ceremony** |
| **Keynote Forum** | |
| **09:55-10:00** | **Introduction** |
| **10:00-10:45** | **Title:** Photodynamics: How massive photons, gravitons, gluons, and neutrinos manage to travel at the speed of light |
| | **Robert J Martineau,** NASA Goddard Space Flight Center, USA |
| **Panel Discussion 10:45-10:50** | |
| **Coffee Break 10:50-11:10** | |
| **11:10-11:55** | **Title:** Hamiltonian analysis of stability and classification of multidimensional monlinear wave structures of soliton type in space plasma |
| | **Vasily Yu Belashov,** Kazan Federal University, Russia |
| **11:55-12:40** | **Title:** High spatial observations of protoplanetary disks review |
| | **Eiji Akiyama,** Hokkaido University, Japan |
| **Panel Discussion 12:40-12:45** | |
| **Group Photo 12:45-12:55** | |
| **Lunch Break 12:55-13:55** | |
| **Plenary Talk** | |
| **13:55-14:55** | **Title:** Supreme theory of everything |
| | **Ulaanbaatar Tarzad,** Mongolian University of Science and Technology, Mongolia |
| **Astrophysics and Space Science \| Nuclear Astrophysics \| Dark Matter and Dark Energy** | |
| | **Session Introduction** |
| **Session Chair: Eiji Akiyama,** Hokkaido University, Japan | |
| **Session Co-Chair: Ulaanbaatar Tarzad,** Mongolian University of Science and Technology, Mongolia | |
| **14:55-15:25** | **Title:** An introduction to temporal wave mechanics |
| | **Kenneth M Rauen,** Rainforest Reactor Research, USA |
| **15:25-15:55** | **Title:** Molecular astrophysics: Formation and interaction of molecules and new approach: deep learning (AI) in astronomy |
| | **Hakima Mokrane,** Expaceo, France |
| **Panel Discussion 15:55-16:00** | |
| **Coffee Break 16:00-16:20** | |
| **16:20-16:50** | **Title:** Dimensional model for predicting particle physics |
| | **Gregory Friedlander,** USA |
| **16:50-17:20** | **Title:** Numerical modeling for episodic thermal convection in enceladus ice shell |
| | **Mariana C Villamil Sastre,** Universidad de los Andes, Colombia |
| **17:20-17:50** | **Title:** Mergers of compact objects concordant with gravitational-wave events |
| | **Hiromichi Tagawa,** Eotvos University, Hungary |
| **Panel Discussion 17:50-17:55** | |

| Day 2<br>December 04, 2018 | |
|---|---|
| **Keynote Forum** | |
| **09:45-10:30** | **Title:** Cosmic matter creation from viscous energy dissipation as a resurection of Hoyle's dream |
| | **Hans J Fahr,** University of Bonn, Germany |
| **Panel Discussion 10:30- 10:35** | |
| **Coffee Break 10:35-10:55** | |
| **10:55-11:40** | **Title:** Investigation in determining the value of perturbation to enter in to the threshold of modified Korteweg-de-Vries(mKdV) solitons in plasma as means of continuum hypothesis from the regime of discrete KdV solitons |
| | **Bhaben Chandra Kalita,** Cotton University, India |
| **11:40-12:25** | **Title:** Evolution of the universe: The silent bang |
| | **Ghassan Halasa,** University of Jordan, Jordan |
| **12:25-13:10** | **Title:** Astroparticles: Their detection and crucial role in XXI century science |
| | **Eduardo de la Fuente,** Universidad de Guadalajara & Mars Society, Mexico |
| **Panel Discussion 13:10-13:15** | |
| **Lunch Break 13:15-14:15** | |
| **Workshop** | |
| **14:15-15:00** | **Title:** Interaction of the multidimensional NLS solitons in non-uniform and nonstationary medium: modeling and stability problem |
| | **Vasily Yu Belashov,** Kazan Federal University, Russia |
| **Panel Discussion 15:00-15:05** | |
| **Coffee Break 15:05-15:25** | |
| **Particle Physics \| Cosmology \| Gravitational Physics \| High Energy Physics \| Atomic and Molecular Astrophysics** | |
| | **Session Introduction** |
| **Session Chair: Ghassan Halasa,** University of Jordan, Jordan | |
| **Session Co-Chair: Bhaben Chandra Kalita,** Cotton University, India | |
| **15:25-15:55** | **Title:** Geometric chronons can be viewed as the building blocks of a quantum theory instead of particles |
| | **Eytan Suchard,** Metivity, USA |
| **15:55-16:25** | **Title:** Study of the pT-distributions of secondary charged particles produced in d12C interactions at 4.2 A GeV/c |
| | **Z Wazir,** International Islamic University Islamabad,Pakistan |
| **16:25-16:55** | **Title:** Application of a dimensional model for describing black holes, dark energy and the appearance of fibonnaci curves in space |
| | **Gregory Friedlander,** USA |
| **16:55-17:25** | **Title:**Dielectical omni diminesions and directions of quantum radiant particles of monistic substance |
| | **Chidiebere Anigbo,** Institute of Technology and management, Nigeria |
| **Panel Discussion 17:25-17:30** | |
| **Posters 17:30-17:45** | |
| **17:30-17:45** | **Title:** Subspace approximations to the Fokker-Planck Equation |
| | **Jordan Lasuik,** University of Manitoba, Canada |
| **Panel Discussion 17:45-17:50** | |

| Day 3<br>December 05, 2017 | |
|---|---|
| **Keynote Forum** | |
| **09:45-10:30** | **Title:** Mass reservoirs, black holes, dark matter in the early universe |
| | **Yu-QingLou,** Tsinghua University, China |
| **Panel Discussion 10:30- 10:35** | |
| **Coffee Break 10:35-10:55** | |
| **10:55-11:40** | **Title:** The computational unified field theory's (CUFT) paradigmatic shift in 21st century physics |
| | **Jehonathan Bentwich,** Brain Perfection LTD, Israel |
| **Plenary Talk** | |
| **11:40-12:40** | **Title:** Critical parameters at interaction of vortical structures in a fluid |
| | **Vasily Yu Belashov,** Kazan Federal University, Russia |
| **Panel Discussion 12:40-12:45** | |
| **Lunch Break 12:45-13:45** | |
| **Workshop** | |
| **13:45-15:45** | **Title:** Temporal wave mechanics question & answer workshop |
| | **Kenneth M Rauen,** Rainforest Reactor Research, USA |
| **Panel Discussion 15:45-15:50** | |
| **Coffee Break 15:50-16:10** | |
| **Video Presentations** | |
| **16:10-16:30** | **Title:** Gravity and light repel each other |
| | **Iraj Khalilymoghadam,** Iran |
| **16:30-16:50** | **Title:** A contradiction for law of energy conservation |
| | **M Yusefzad,** Amirkabir University of technology, Iran |
| **Panel Discussion 16:50-16:55** | |
| **Awards and Closing Ceremony** | |