



Scientific Program

6th World Congress on

Physics

May 13-14, 2019 | Paris, France

Conference Series LLC Ltd

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Toll Free No: UK : 0-808-101-7605, USA : 1-800-985-2178

Day 1- May 13 ,2019

09:00 - 09:50 Registrations

Meeting Hall @ Pegase

09:50 - 10:00 Opening Ceremony

Keynote Forum

- 10:00 - 10:45** **Title: Some relations between bounded below elliptic operators and stochastic analysis**
Rémi Léandre, Université de Franche Comté, France
- 10:45 - 11:30** **Title: Can a complementary interpretation of quantum physics contribute to new insights in biophysics?**
Anna Backerra, Eindhoven University of Technology, The Netherlands

Group Photo

Networking and Refreshments 11:30 - 11:45 @ Foyer

- 11:45 - 12:30** **Title: On resonant properties of nuclear internal electronic conversion**
Vladimir Koltsov, Khlopin Radium Institute, Russian Federation

Session Presentations

Theoretical Physics | Condensed Matter Physics | High Energy Nuclear Physics | Quantum Physics | Mathematical and Computational Physics

Session Chair : Anna Backerra, Eindhoven University of Technology, The Netherlands

Session Co-Chair: S L Lebedev, Surgut State University, Russian Federation

- 12:30 - 13:00** **Title: Experimental manifestation of the residual strong nuclear interaction via renormalization of the elementary excitations energy of solid**
V.G. Plekhanov, Fonoriton Sci. Lab., Garon Ltd, Estonia

Lunch 13:00 - 14:00 @ Restaurant

- 14:00 - 14:30** **Title: Effect of spatial confinement on the electronic structure of atoms: A density functional formalism**
Amlan. K. Roy, IISER Kolkata, India
- 14:30 - 15:00** **Title: New faces of correspondence principle in high energy spin physics**
S. L. Lebedev, Surgut State University, Russian Federation
- 15:00 - 15:30** **Title: Special and general relativity and the relativistic ether as observer dependent by the retardation**
Azzam Almosallami, Independent Researcher, Switzerland

15:30 - 16:00 **Title: A new approach to the generalization of planck's law of black-body radiation**

Sreeja Loho Choudhury, Technical University in Dresden, Germany

Networking and Refreshments 16:00 - 16:15 @ Foyer

Poster Presentations 16:15 - 16:45 @ Foyer

P1 **Title: MLBSE - A Model of tethered lipid bilayers using anchor-harpoon surfactants on designed electrodes**

Ophelie Squillace, Durham University, United Kingdom

P2 **Title: On the frequency function for stronger squeezing degree and the exact algebraic solution for the quantum harmonic oscillator with variable frequency**

Daniel Martínez Tibaúiza, Universidade Federal do Rio de Janeiro, Brazil

Panel Discussion

Day 2 - May 14 ,2019

Keynote Forum

10:00 - 10:45 **Title: Astronomical evidence of magnetic monopoles and its implication mechanism of both supernova explosion and the hot big bong of the universe and challenge to black hole models**

Q H Peng, Nanjing University, China

10:45 - 11:30 **Title: Self-similar dynamics and fundamentals of Rayleigh-Taylor mixing with variable acceleration**

Snezhana I. Abarzhi, The University of Western Australia, Australia

Networking and Refreshments 11:30 - 11:45 @ Foyer

11:45 - 12:30 **Title: Near-field imaging of intense terahertz (THz) pulse**

François Blanchard, École de technologie supérieure (ÉTS), Canada

Session Presentations

Sessions: Atomic and Molecular Physics | Material Physics | Medical Physics and Biophysics | Applied Physics | Condensed Matter Physics

Session Chair: Snezhana I Abarzhi, The University of Western Australia, Australia

Session Co-Chair: Francois Blanchard, École de technologie supérieure (ÉTS), Canada

12:30 - 13:00 **Title: Spin dynamics of electron in berezin-marinov model**

V.V. Tereshchenko, Surgut State University, Russian Federation

Lunch 13:00 - 14:00 @ Restaurant

- 14:00 - 14:30** **Title: Reduction of wear in vehicle pistons with copper oxide effect and extension of motor life**
Ilyas Seckin, Eyuboglu College, Turkey
- 14:30 - 15:00** **Title: Molecular migration in polyvinyl acetate matrix. Impact of compatibility, number of migrants and stress on surface and internal microstructure**
Ophelie Squillace, Durham University, United Kingdom
- 15:00 - 15:30** **Title: Petrophysical characterization and oil potentialities of unconventional resource development by utilizing physics of well log analysis and delta log r technique**
Ahmed Rashed, Gemsa Petroleum Company (GEMPETCO), Egypt

Networking and Refreshments 15:30 - 15:45 @ Foyer

- 15:45 - 16:15** **Title: The infinity of science and the theory of everything**
Ahmed A. Soltan, Mansoura University, Egypt
- 16:15 - 16:45** **Title: The enthalpy behavior of ZnO wurtzite phase under isothermal and isobaric ensemble a molecular dynamics rediction**
Yahia CHERGUI, Boumerdes University, Algeria
- 16:45 - 17:15** **Title: Fluctuation properties and effective temperature of strongly interacting 1d bosons after a quench**
Fatma Zouari Ahmed, Echahid Hamma Lakhdar University, Algeria

Panel Discussion

Award Ceremony