

Scientific Program



4<sup>th</sup> International Conference on

# High Energy & Particle Physics

December 03-04, 2018 | Valencia, Spain



UK: Conference Series LLC Ltd  
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# DAY-1

December 03, 2018

Meeting Hall: **Scala**

08:30-09:00 Registrations

*Opening Ceremony* ..... **09:00-09:25**

## KEYNOTE FORUM

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09:25-09:30 Introduction

09:30-10:10 **Title: Understanding nature with the spin-charge-family theory**  
N S Mankoc Borstnik, University of Ljubljana, Slovenia

10:10-10:50 **Title: Classical Lagrangian formulation of local gauge U(1) and SU(3) fields in terms of field strength magnitudes described in Weyl two-spinor language and induced Zitterbewegung (trembling motion) in spin 1/2 particles via gauge field U(1) transformations**  
J Buitrago, University of La Laguna, Spain

## GROUP PHOTO 10:50-11:00

**Networking & Refreshments 11:00-11:20 @ Foyer**

**Sessions: Theoretical and Experimental High Energy Physics | Particle and Nuclear Physics | Astrophysics and Cosmology | String Theory | Electromagnetism**

**Chair: J Buitrago**, University of La Laguna, Spain

**Co-Chair: Konstantin Meyl**, Furtwangen University, Germany

## INTRODUCTION

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11:20-11:45 **Title: Extending Coulomb's law for gravitation and radiation**  
Musa D Abdullahi, Umaru Musa Yar'adua University, Nigeria

11:45-12:10 **Title: Dark matter or vivid force?!**  
GH. Saleh, Saleh Research Centre, Iran

12:10-12:35 **Title: A Contribution about the shrinking proton**  
Konstantin Meyl, Furtwangen University, Germany

12:35-13:00 **Title: Witten effect and fractional charges on the domain wall and the D-brane- like dot**  
I Kanazawa, Tokyo Gakugei University, Japan

**Lunch Break 13:00-14:00 @ Metropolitan Restaurant**

**14:00-14:25** **Title:** An attempt to find out the major elements of matter and energy using the knowledge of new axioms and laws  
Valentina Markova, Bulgarian Academy of Sciences, Bulgaria

**14:25-14:50** **Title:** Radial oscillations of relativistic compact stars  
Grigorios Panotopoulos, CENTRA-Técnico, Portugal

**14:50-15:15** **Title:** Modeling of an inductively coupled plasma of argon-oxygen mixture at low pressure  
SIARI Khadidja, University Frères Mentouri Constantine 1, Algeria

**15:15-15:40** **Title:** Measurements of the power of strong nuclear interaction in solids  
V G Plekhanov, Fonoriton Sci. Lab, Estonia

**Networking & Refreshments 15:40-16:00 @ Foyer**

**16:00-16:25** **Title:** Gravity/fluid correspondence around accelerated black hole  
Xin Hao, Nankai University, China

**16:25-16:50** **Title:** Motley String and the Standard Model  
George Yury Matveev, IT consultant, Sweden

**16:50-17:15** **Title:** New invariants for 3-manifolds and non-commutative topological quantum field theories  
Ioannis P Zois, TRSC/PPC, Greece

## Panel Discussion

## Awards & Closing Ceremony

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# DAY-2

**December 04, 2018**

**Extended Networking Lunch 13:00-14:00 @ Metropolitan Restaurant**

**Bookmark your Dates**

5<sup>th</sup> International Conference on **Physics**

**October 14-15, 2019 | London, UK**

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