

Scientific Program

International Webinar on Smart Materials

Thursday
November 18, 2021

Day 1 - November 18, 2021

11:00 - 11:10 Introduction

Oral Presentations

11:10 - 11:35 A Moser's non - twist theorem for nearly integrable mappings with self - intersection property

Zhichao Ma, Southeast University, China

11:35 - 12:00 Path stability of triangular G - SDEs and application to the full-order filtering

Wensheng Yin, Southeast University, China

12:00 - 12:25 Multiple $O(t^{-(\alpha)})$ stability of fractional - order switched neural networks with time - varying delays

Zhongwen Wu, Southeast University, China

12:25 - 13:00 On spectral petrov-galerkin method for solving fractional initial value problems in weighted sobolev space

Shengyue Li, Southeast University, China

Lunch Break(13:00 - 13:30)

13:30 - 14:00 Fe based magnetic materials produced by milling and spark plasma sintering

J.J Sunol, University of Girona, Spain

Oral Presentations

14:00 - 14:25 Highly protective polyolefin coating modified with cerium oxide nano particles loaded with N,N,N',N' - Tetrakis(2 - hydroxyethyl)ethylenediamine for corrosion protection of carbon steel

Mahboobeh Attaei, Superior Técnico Lisboa, Portugal

14:25 - 14:50 Mussel - inspired modification of liposomes for the removal of organic dyes from water

Lucia Catucci, Università di Bari Aldo Moro, Italy

14:50 - 15:15 Comparison of damage evolution during thermal cyclic fatigue in nanostructured, micro and hybrid compositionally graded layer TBC

Arezoo Sezavar, Ferdowsi University of Mashhad, Iran

15:15 - 15:40 Recycling of Plastic Mixture Wastes as Carrier Resin for Short Glass

Sylvain Seif, INDEVCO Group, Lebanon

15:40 - 16:05 Theories and Trends in Porosimetry

Michail Chalaris, International Hellenic University, Greece

16:05 - 16:30 Nonlinear Extrapolation Applied to Piezoelectric Power Generation System Based on MPPT Algorithm

Souad Touairi, Sultan Moulay Slimane University, Morocco

Video Presentation

16:30 - 16:50 Tip vibration control of a Two - Link Flexible manipulator using passive and active control methods

Natraj Mishra, UPES, India

End of Day 1

Scientific Program

International Webinar on Smart Materials

Friday
November 19, 2021

Day 2 - November 19, 2021

Oral Presentations

- 11:00 - 11:25 A DNA Nanodevice Simultaneously Activating the EGFR and Integrin for Enhancing Cytoskeletal Activity and Cancer Cell Treatment
Mirza Mahummad Faran Ashraf, The University of Hang Kong, Hong Kong
- 11:25 - 11:50 Analysis of influencing factors on Household income and food security in Pakistan
Farah Zulfiqar, Northeast Forestry University, China

Keynote Presentation

- 11:50 - 12:20 Sustainability boosting innovations in chemical science
Daria Fraćszak, Clariter's Research and Development, Poland
- 12:20 - 12:50 Performance analysis of multi - server queueing model with heterogeneous server using matrix geometric method
M. Seenivasan, Annamalai University, India

Lunch Break (12:50 - 13:20)

- 13:20 - 13:45 Lattice effects on strongly correlated magnetic systems
Kishore, Handique Girls' College Guwahati, India

Oral Presentations

- 13:45 - 14:10 Drilling Optimization Through A Nove Eccentric Reamer
Amir Sokry Abd El - Maksoud, Future University in Egypt (FUE), Egypt
- 14:10 - 14:35 The role of managerial intelligence in shaping smart cities in developing countries: A case study of Iran
Syed Jalal Faraji, Allameh Tabatabai University, Iran
- 14:35 - 15:00 Optimization of photocatalytic degradation of methyl orange using immobilized scoria Ni/TiO₂ nano particles
Nahid azizi, Tehran University of medical sciences, Iran
- 15:00 - 15:25 Hybrid Spintronics and Straintronics
Ankush ghosh, The Neotia University, India
- 15:25 - 15:50 Shape Reversibility and Thermoresponsive Reactions in Shape Memory Alloys
Osman Adiguzel, Firat University, Turkey
- 15:50 - 16:15 Tagged particles into burgers' turtulence: Stochastic properties
Octave MOUTSINGA, Université des Sciences et Techniques de Masuku, Gabon

Poster Presentations

- 16:15 - 16:30 Integrative Hydrocarbon Potential evaluation of the Algoa Basin, Eastern Cape, South Africa, using geological and geophysical methods
Nomveliso Caku, University of Fort Hare, South Africa
- 16:30 - 16:45 Smart materials and its applications
Dhivya Priya EL, Sri Krishna College of Technology, India

End of Day 2