

Final Program

**2nd International Summit on
Civil, Structural and
Environmental Engineering**

&

**2nd International Summit on
Gravitation, Astrophysics
and Cosmology**

ISCSEE2024
ISGAC2024

March 18-19, 2024



Florence, Italy



Day 01 March 18, 2024		
09:00-09:30		On Spot Registrations
Chair	Enzo Siviero, Rector of the eCampus University, Italy	
Co-Chair	Ibrahim G. Shaaban, Head of Civil Engineering, School of Computing and Engineering, University of West London, UK	
09:30-10:10	P	<div>Title: Silica Fume and Crumb Rubber as Partial Replacement of Cement and Fine Aggregate Concrete</div>
		Ibrahim G. Shaaban, Head of Civil Engineering, School of Computing and Engineering, University of West London, UK
10:10-10:50	P	<div>Title: General Relativity, Dragging of Inertial Frames and the LARES and LARES 2 Space Missions</div>
		Ignazio Ciufolini, School of Aerospace Engineering, Sapienza University of Rome, Italy
10:50-11:05		Refreshment Break
11:05-11:45	P	<div>Title: The Secret of Planets' Perihelion Between Newton and Einstein</div>
		Christian Corda, Editor-in-Chief-Journal of High Energy Physics Gravitation and Cosmology, USA
11:45-12:25	P	<div>Title: Spotlight on Mechanical Properties of Autogenic Self-Healing of Concrete</div>
		Ibrahim G. Shaaban, Head of Civil Engineering, School of Computing and Engineering, University of West London, UK
12:25-13:05	P	<div>Title: Design and Construction of Tall Buildings: A Sustainability Perspective</div>
		Abbas Aminmansour, Fellow-Council on Tall Buildings and Urban Habitat, University of Illinois, USA

13:05-14:05		Group Photo
		Lunch Break
14:05-14:35	K	<p>Title: MULTIVERSE: How Far is a Twin Universe with Identical Last 100 years History?</p> <p>Andrew Radosz, Wroclaw University of Science and Technology, Poland</p>
14:35-15:05	K	<p>Title: Extraction of Silicon from Construction Debris Using the Alkaline Fusion Technique</p> <p>Nevin Karamahmut Mermer, R&D Assistant Manager-Kalekim Construction Chemicals Co., Turkey</p>
15:05-15:35	K	<p>Title: Thermodynamic Properties of Hot β-Equilibrium Hadronic and Quark Matter in the Neutrino-Trapped Regime</p> <p>Grigor Alaverdyan, Yerevan State University, Armenia</p>
15:35-15:50		Refreshment Break
15:50-16:20	K	<p>Title: About Sone Generalised Reissner-Nordstrom Spacetimes</p> <p>Orchidea Maria Lecian, Sapienza University, Italy</p>
16:20-16:50	K	<p>Title: The Theory of the Living Body Special Mass</p> <p>Gengxin Xie, Institute of Advanced Technology Chongqing University, China</p>
Sessions		Gravitational Physics and Lensing, Construction Technology & Engineering, Architecture & Urban Planning
Sessions Chair		Orchidea Maria Lecian , Sapienza University, Italy
16:50-17:10	I	<p>Title: Vulcan and Anomalous Displacement of Mercury's Perihelion</p> <p>Souren Pogossian, University of Western Brittany, France</p>
17:10-17:30	I	<p>Title: Is the Universal Gravitation from the Attractive Force of the Magnetic Field?</p> <p>Mei Yin, China</p>

17:30-17:50

|

Title: Lean and BIM Synergy in the Design Phase: Auto-Generation and Evaluation of Thermal Alternatives

Karim EL MOUNLA, CESI LINEACT, France

17:50-18:10

|

Title: From Words to Walls: Revolutionising Architectural Design with Text-to-3D Generative AI

Kawsar Arzomand, Brunel University London, UK

18:10-18:30

|

Title: Accelerometers Complete Feynman’s Gravity Lecture

David Levitt, Stochastic Labs, USA

Closing the Conference for Day 1

Day 02 March 19, 2024		
09:00-09:30		On Spot Registrations
Chair		Brunello Tirozzi, University La Sapienza, Italy
Co-Chair		Andrew Radosz, Wroclaw University of Science and Technology, Poland
09:30-10:10	P	Title: BRIDGES AND UNESCO
		Enzo Siviero, Rector of the eCampus University, Italy
10:10-10:50	P	Title: Mathematical Problems of Neural Networks
		Brunello Tirozzi, University La Sapienza, Italy
10:50-11:05		Refreshment Break
11:05-11:45	P	Title: Reciprocally Supported Elements (RSE) Space Structure Configurations
		Joseph P. Rizzuto, Head-School of the Built Environment and Geography, Faculty of Engineering, Computing and the Environment Kingston University, UK
11:45-12:25	P	Title: Structural Integrity Assessment and Retrofitting for Holy Trinity Cathedral Building
		Habtamu Getu Mihret, CEO-Menen Engineering PLC, Addis Ababa, Ethiopia
12:25-13:05	P	Title: Black Holes: Thermodynamics and Geometry
		Ahmed Daassou, Deputy Director-Cadi Ayyad University, Morocco
13:05-14:05		Group Photo
		Lunch Break
14:05-14:35	K	Title: Transmission Line System Dynamic Response Under Synoptic and Non-Synoptic Winds
		Amal Elawady, Florida International University, USA
14:35-15:05	K	Title: Quartic Equation and Proportion of Physical Reality
		František Lomoz, Josef Sadil’s Observatory, Czech Republic

15:05-15:35	K	<i>Title:</i> Neutrino Astronomy by Tau Airshower on Earth and by Muon Secondaries from the Moon
		<i>Daniele Fargion</i> , Rome University, Italy
15:35-15:50 <i>Refreshment Break</i>		
15:50-16:20	K	<i>Title:</i> Thermal Preconditioning of Carbon FRCM Strips on a Masonry Support
		<i>Andrea Nobili</i> , University of Modena and Reggio Emilia, Italy
16:20-16:50	K	<i>Title:</i> Zero-Gravity as Game-Changer to Extend Human Longevity and Advance Knowledge on the Universe
		<i>Carlo Viberti</i> , President-Space Land Africa, Italy
<i>Sessions</i>		Multi-Messenger Astronomy, Gravitational Physics and Lensing, Dark Matter and Dark Energy Probes, Modified Gravity Theories
<i>Sessions Chair</i>		<i>Orchidea Maria Lecian</i> , Sapienza University, Italy
16:50-17:10	I	<i>Title:</i> Searching for Fast Infrared Bursts
		<i>Alessandro Drago</i> , University of Florence, Italy
17:10-17:30	I	<i>Title:</i> A Kinematic Analysis of WIMP Dark Matter in Milky Way Satellites
		<i>Raees Noorbhai</i> , Wits Centre for Astrophysics, South Africa
17:30-17:50	I	<i>Title:</i> The Effects of Gravitational Wave Recoil on Black Holes
		<i>Karan Chawla</i> , Ashoka University, India
17:50-18:10	I	<i>Title:</i> On a Possible Solution of Nordstrom-Einstein Paradox referring to the Nullity of Stress-Energy Tensor Invariant of EM field and Consequences
		<i>Constantin Sandu</i> , National Research & Development Institute for Gas Turbines-COMOTI, Romania
POSTER	P01	<i>Title:</i> The Role of Strategic Environmental Assessment in Precautionary Protection of the Environment During the Development of Renewable Energy Projects
		<i>Boško Josimović</i> , Institute of Architecture, Urban and Spatial Planning of Serbia, Serbia
VIDEO	V01	<i>Title:</i> Insight into Growth Rate of the Universe from Galaxy Correlation Functions
		<i>Siddharth Satpathy</i> , Element Energy, USA
Closing the Conference for Day 2		



*****Closing the Conference for Day 1 & 2*****





NEXT EVENTS

**3rd International Summit on
Gravitation, Astrophysics and Cosmology**

March 17-19, 2025 | Valencia, Spain

&

**3rd International Summit on
Civil, Structural and Environmental Engineering**

March 17-19, 2025 | Valencia, Spain