

Program

2nd MEETING OF MATERIALS SCIENCE, ENGINEERING & NANOTECHNOLOGY RESEARCHERS NETWORK



Foristom
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2nd M^R N

August 9 to 10, 2024
Medellín, Colombia

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Chairman V WMSSE

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José José Barba Ortega

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Institución Universitaria Pascual Bravo, Colombia
- Dr. Santiago Jiménez Londoño
Institución Universitaria Pascual Bravo, Colombia
- MSc. Leidy Marcela Dueñas Ramírez
Foundation of Researchers in Science and Technology of Materials, Colombia
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Universidad EAFIT, Colombia
- MSc. Elkin Gelvez Almeida
Universidad Simón Bolívar, Colombia

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Universidad Loyola Andalucía, Spain
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- Dr. Steven Tidrow
Alfred University, United States of America
- Dr. Juan Muñoz Saldaña
Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, Mexico
- MSc. Luisa Fernanda Ortiz
Universidad Loyola Andalucía, Spain

Invited Speakers

- ✓ Dr. Ely Dannier V. Niño
Universidad Loyola, Spain
- ✓ Dr. José Luis Endrino Armenteros
Universidad Loyola, Spain
- ✓ Dr. Mariana Pereyra Perez
Universidad de la República, Uruguay
- ✓ Dr. Elaine Cristina Paris
Empresa Brasileira de Pesquisa Agropecuária, Brazil
- ✓ Dr. Claudinei de Souza Guimaraes
Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil
- ✓ Dr. Sugehis Maria Liscano Duran
Universidad Nacional Politécnica Experimental “Antonio José de Sucre”, Venezuela

2nd MMR

- ✓ Nanotechnology
- ✓ Manufacturing
- ✓ Energy
- ✓ Education
- ✓ Social Inclusion



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**MEETING OF MATERIALS SCIENCE,
ENGINEERING
& NANOTECHNOLOGY
RESEARCHERS NETWORK**

Topics

PROGRAM

2nd MRN

FIRST DAY

August 9, 2024

DAY HOUR	FRIDAY MORNING
8:30 – 9:00	<p>Opening Ceremony: Second Meeting of Materials Science, Engineering and Nanotechnology Researchers Network (2nd MRN) Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
9:00 – 9:20	<p>Plenary Lecture I: Solar-driven energy-trigeneration systems (The Marie Skłodowska-Curie Actions Staff Exchange call) Keynote Speaker: José Luis Endrino Armenteros Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
9:20 – 9:40	<p>Plenary Lecture II: Scientific motivation in the alpha generation Keynote Speaker: Ely Dannier V. Niño Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
9:40 – 10:00	<p>Plenary Lecture III: Atomic and Molecular Spectroscopy Laboratory Keynote Speaker: Enrique Mejías Ospino Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
10:00 – 10:20	<p>Plenary Lecture IV: Nanostructures and nanocomposites aimed at reusing waste and environmental applications for agribusiness Keynote Speaker: Elaine Cristina Paris Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
10:20 – 10:40	Coffee Break
10:40 – 11:00	<p>Plenary Lecture V: Research and educational contributions at the University of the Republic Keynote Speaker: Mariana Pereira Pérez Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
11:00 – 11:20	<p>Plenary Lecture VI: Computational numerical simulations: superconductivity and other areas Keynote Speaker: José José Barba Ortega Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
11:20 – 11:40	<p>Plenary Lecture VII: Materials characterization techniques Keynote Speaker: Rafael Cabanzo Hernández Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
11:40 – 12:00	<p>Plenary Lecture VIII: Raman spectroscopy and material characterization Keynote Speaker: Miryam Rincon Joya Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo</p>
12:20 – 14:30	Lunch Break

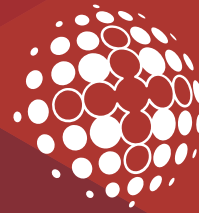
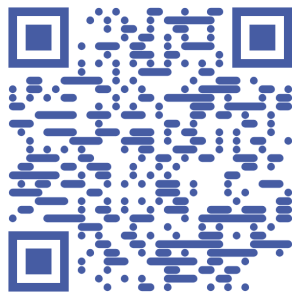
DAY HOUR	FRIDAY AFTERNOON
14:30 – 16:30	Researchers Network Panel 1
16:30 – 17:00	Coffee Break
17:00 – 19:00	Cultural Activities

SECOND DAY

August 10, 2024

DAY HOUR	SATURDAY MORNING
8:40 – 9:00	Coffee Break
9:00 – 9:20	Plenary Lecture IX: Analysis of the mechanical behavior and oxidation resistance of thermal barrier coatings exposed to high temperature oxidation Keynote Speaker: Sugehis María Liscano Durán Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo
9:20 – 9:40	Plenary Lecture X: Research+development of coatings Keynote Speaker: Iván Fernandez Martínez Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo
9:40 – 10:00	Plenary Lecture XI: Environment and sustainability Keynote Speaker: Claudinei de Souza Guimaraes Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo
10:00 – 10:20	Plenary Lecture XII: Asset management and maintenance: an integral approach for small and medium-sized enterprises and industry 4.0 Keynote Speaker: Leidy Marcela Dueñas Ramírez Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo
10:20 – 10:40	Coffee Break
11:00 – 11:20	Plenary Lecture XIV: Implementation of emerging technologies for risk management in agricultural production processes Keynote Speaker: Tomás Enrique Ramírez Guerrero Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo
11:20 – 11:40	Plenary Lecture XV: Technological applications of dielectric barrier discharges Keynote Speaker: Héctor Jaime Dulcé Moreno Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo
11:40 – 12:00	Plenary Lecture XVI: Achievements of international cooperation relationships Keynote Speaker: Linda Elcida Gil Lozada Conference Room: Auditorium Luis Alberto Cartagena, Institución Universitaria Pascual Bravo
12:30 – 14:30	Lunch Break

DAY HOUR	SATURDAY AFTERNOON
14:30 – 16:30	Researchers Network Panel 2
16:30 – 17:00	Coffee Break
17:00 – 19:00	Cultural Activities



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