

# Schedule of Event

12<sup>th</sup> International Conference

## Science & Technology: Way Towards Sustainability

### Opening Session (8:00 am-8:25 am)

Welcome by Conference Director, **Nirajan Paudel**  
(*Introductory Video - about NeSA*)

Welcome by President, NeSA, **Sharad Mahatara**.

Welcome by NeSA Advisor, **Dr. Deepak Subedi**.

Remark by Representative from Office of Provost, NMSU, **Dr. Christopher Brown**  
Associate Professor - Department of Geography,  
Inaugural Fellow, NMSU Beyond Borders Community of Practice  
Co-Director, NMSU Spatial Applications Research Center.

Remark by Associate Director, ISSS, NMSU, **Matthew Lara**.

### Session I Guest Talk series (8:25 am – 12:00 pm)

8:25 am – 8:50 am	<b>Guest Speaker: Dr. Lujendra Ojha</b> , Assistant Professor, Department of Earth and Planetary Sciences, Rutgers University,
8:50 am – 9:15 am	<b>Guest Speaker: Dr. Marianne Karplus</b> , Department of Geological Science, University of Texas at El Paso / Title: - " <i>Earthquakes in the Himalaya</i> "
9:15 am – 9:40 am	<b>Guest Speaker: Er. Ram Raj Sharma</b> , Senior Hydropower Engineer, Mulriconsult UK, / Title: - " <i>Hydropower in Nepal: A Base for Sustainable Development</i> "
9:40 am – 10:05 am	<b>Special Guest Speaker: Mahabir Pun</b> , Chairperson, National Innovation Center, Nepal Title: - " <i>Innovation for Economic Development</i> "
10:05 am – 11:50 am	<b>Keynote Speaker: Dr. Surya Raj Acharya</b> , Infrastructure Policy Analyst Title: - " <i>Science &amp; Technology: Ways Towards Sustainability.</i> "
10:50 am – 11:15 am	<b>Guest Speaker: Dr. Shyam Kattel</b> , Assistant Professor, Department of Physics, Florida A&M University, Tallahassee, FL / Title: - " <i>Strategies to Design Materials for Low-Carbon Footprint Production of Energy and Fuels.</i> "
11:15 am – 11:50 am	<b>Chief Guest Speaker: Dr. Shambhu Ghimire</b> , Principal Investigator SLAC National Accelerator Laboratory, Stanford University / Title: - " <i>Combining Strength of Lasers and Semiconductors for the Future Technology.</i> "

Break /Poster Session (12:00 pm to 1:00 pm)	
Sharad Mahatara, New Mexico State University, NM.	<a href="https://nesa.nmsu.edu/files/2019/05/1th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/1th_conf_schedule.pdf</a>
Krishna Acharya, New Mexico State University, NM.	<a href="https://nesa.nmsu.edu/files/2019/05/2th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/2th_conf_schedule.pdf</a>
Shantosh Gaire The Catholic University of America, Washington DC.	<a href="https://nesa.nmsu.edu/files/2019/05/3th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/3th_conf_schedule.pdf</a>
Pramod Aryal, New Mexico State University,	<a href="https://nesa.nmsu.edu/files/2019/05/4th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/4th_conf_schedule.pdf</a>
Rajendra Paudel, Auburn University,	<a href="https://nesa.nmsu.edu/files/2019/05/5th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/5th_conf_schedule.pdf</a>
Birendra Ale Magar, New Mexico State University, NM.	<a href="https://nesa.nmsu.edu/files/2019/05/6th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/6th_conf_schedule.pdf</a>
Govinda Sapkota, New Mexico State University, NM.	<a href="https://nesa.nmsu.edu/files/2019/05/7th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/7th_conf_schedule.pdf</a>
Srijana Dura, New Mexico State University, NM.	<a href="https://nesa.nmsu.edu/files/2019/05/8th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/8th_conf_schedule.pdf</a>
Anushruti Sangami, New Mexico State University, NM.	<a href="https://nesa.nmsu.edu/files/2019/05/9th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/9th_conf_schedule.pdf</a>
Niraj Bhattarai, The Catholic University of America, Washington DC.	<a href="https://nesa.nmsu.edu/files/2019/05/10th_conf_schedule.pdf">https://nesa.nmsu.edu/files/2019/05/10th_conf_schedule.pdf</a>
12:45 pm – 1:10 pm	<b>Guest Speaker: Dr. Menuka Karki</b> , Harvard Medical School, Title: - <i>“Environmental Exposure, Epigenome and Cell Division: A perspective on Exposure to Kathmandu’s Air Pollution.”</i>
Session II (1:00 pm-4:00 pm) Afternoon session /Oral presentations	
1:10 pm – 1:22 pm	<b>Phillip Lujan</b> , <i>Plant and Environment Sciences</i> , New Mexico State University, NM / Title: - <i>“Efficacy of Pecan Husk and Shell Phenolic Extracts against Phytophthora Bright in Chile Pepper.”</i>
1:22 pm – 1:34 pm	<b>Nirajan Paudel</b> , Department of Physics, New Mexico State University, NM / Title: - <i>“Influence of Defects and Surfaces on the Electrochemical Properties of MnO<sub>2</sub> in Rechargeable Zn/MnO<sub>2</sub> Batteries”</i>
1:34 pm – 1:46 pm	<b>Jagadish Paudel</b> , Department of Rhetoric and Writing Studies, University of Texas at El Paso, TX / Title: - <i>“Rhetoric of the National flag of Nepal”</i>
1:46 pm – 1:58 pm	<b>Pratima Bhandari</b> , Department of Agricultural Economics and Agricultural Business, New Mexico State University, NM, Title: - <i>“Consumer’s Willingness to Purchase White Bread Fortified with Fiber from Chile Industry Byproducts”</i>
1:58 pm – 2:10 pm	<b>Bhumi Shankar Bhusal</b> , Department of Radiology, North Western University, Chicago, IL, / Title: - <i>“Radio-frequency Induced Heating of Elongated Metallic Implants During MRI.”</i>
2:10 pm – 2:22 pm	<b>Bhupendra K Gurung</b> , Department of Chemistry and Biochemistry, New Mexico State University, NM, / Title: - <i>“A cross flow design of a tandem ion mobility spectrometer for the study of the thermal</i>

	<i>decomposition of the chloride and nitrate adducts of pentaerythritol tetranitrate in air at ambient pressure.”</i>
2:22 pm – 2:34 pm	<b>Suparna Chatterjee</b> , Department of Curriculum and Instruction, New Mexico State University, NM / Title: - <b>“Enhancing Educational Technology: Supporting Student Success in Online Classes.”</b>
2:34 pm – 2:46 pm	<b>Bishwash L Shrestha</b> , Department of Space Science, The University of Alabama in Huntsville, AL / Title: - <b>“Strength of the Terminal Shock Inferred from the Globally Distributed Energetic Neutral Atom Flux from IBEX”</b>
2:46 pm – 2:58 pm	<b>Yashoda Kandel</b> , Department of Biology, New Mexico State University, NM / Title: - <b>“NeSA2021000-11: Long-Term Mosquito culture with SkitoSnack, an artificial blood meal replacement”</b>
2:58 pm – 3:10 pm	<b>Gopal Tamang</b> , Department of Curriculum and Instruction, New Mexico State University, NM, / Title: - <b>“Sustaining Home Language for Super Minority Child in an English Dominant Social Setting.”</b>
3: 10 pm – 3:22 pm	<b>Debadrita Pal</b> , Department of Biology, New Mexico State University, NM, / Title: - <b>“Meiotic Resumption Induces in the Mechanical Properties of the Oocyte Cortex Required for Establishment of the Embryo Axis.”</b>
3: 22 pm – 3:34 pm	<b>Anish Adhikari</b> , Department of Geography and Spatial Sciences, University of Delaware, DE / Title: - <b>“Global gridded GDP Products: A Review of Uncertainties and Fitness-of-use.”</b>
3:34 pm – 3:46 pm	<b>Ashmita Pande</b> , Department of Biology, New Mexico State University, NM / Title: - <b>“The Effects of Metformin on Fecundity and Immunity in Mosquitoes”</b>
3:46 pm – 3:58 pm	<b>Suresh Thapa</b> , Department of physics, Auburn University, AL / Title: - <b>“Novel Complex Oxide Growth Technique: hybrid Molecular Beam Epitaxy.”</b>
3:58 pm – 4:10 pm	<b>Suman Shrestha</b> , UT Health Graduate School of Biochemical Sciences, UT MD Anderson Cancer Center / Title: - <b>“Recent Advancements in Radiation Dosimetry Methodologies Late Effects with Fucs on Cardiac Disease.”</b>
4:10 pm – 4:22 pm	<b>Gopal Khanal</b> , Department of National Park and Wild Life Conservation, Government of Nepal / Title: - <b>“Relativr Influence of Wild Prey and Livestock Abundance Carnivore Caused Livestoke Predation.”</b>
absent	<b>Rose Vidal</b> , New Mexico State University, NM / Title: - <b>“Cross-cultural Adaptation in a U.S. University: The Experiences and Practices of International Students at New Mexico Stste University.”</b>
4:22 – 4:25 pm	<b>Video Clip About Nepal and Nepali Culture.</b>
<b>(4:24 pm - 4:30 pm) Closing Ceremony</b> Dr. Ram Acharya or Dr. Madhav Ghimire or Dr. Deepak Subedi With Winner announcement. ( 3 presenters, 2 poster)	