

# Session Room Assignments and Schedule

Room	Date	Time	Title	Name	Presentation Type
Auditorium	Nov 22	12:55 - 2:05 PM	<a href="#">ICT-Based Learning Media: Utilising Virtual Reality to Teach Hydroelectric Power Renewable Energy for STEM Education</a>	Mr. Aminudin Zakaria	Paper Presentation
Auditorium	Nov 22	12:55 - 2:05 PM	<a href="#">Implementing Challenging STEM-Based Engineering Design Activities: A Qualitative Approach to Track Engineering Practices</a>	Mr. Salim Khamis Alharmali	Paper Presentation
Auditorium	Nov 22	12:55 - 2:05 PM	<a href="#">Examining the mediating roles of action research attitude and knowledge</a>	Dr. Sylvester T. Cortes	Paper Presentation
Auditorium	Nov 22	2:20 - 3:30 PM	<a href="#">Development and validation of a scale for evaluating STEM faculty teaching effectiveness in higher education</a>	Mr. Robert Jay N. Angco	Paper Presentation
Auditorium	Nov 22	2:20 - 3:30 PM	<a href="#">Insights from Private University Leaders in Baguio City: A Technology Foresight Study on Artificial Intelligence</a>	Mr. Jeffrey P. Sibayan	Paper Presentation
Auditorium	Nov 22	2:20 - 3:30 PM	<a href="#">E-PreP: A Harmonized Framework in Implementing Design Thinking</a>	Ms. Manilyn P. Narca	Paper Presentation
Auditorium	Nov 22	3:30 - 4:30 PM	<a href="#">Exploring future online STEM learning spaces</a>	Ms. Eijah Isabella P. Ednalino	Open Space
Auditorium	Nov 23	10:45 - 12:15 PM	<a href="https://docs.google.com/document/d/1IAo2Z4GBQcqx9im4lrqqLQUhY2nVEbj-/edit">https://docs.google.com/document/d/1IAo2Z4GBQcqx9im4lrqqLQUhY2nVEbj-/edit</a>	Prof. Jan van Driel	Workshop
Auditorium	Nov 23	2:00 - 3:40 PM	<a href="#">Beyond the tests: Examining mathematics teachers' voices in crafting PISA-like test questions</a>	Dr. Allan M. Canonigo	Paper Presentation

Auditorium	Nov 23	2:00 - 3:40 PM	<a href="#">XentrinoBot: A Flexible and Cost-Effective STEM Robotics Platform for Educational and Industrial Applications</a>	Engr. Christopher M. Coballes	Paper Presentation
Auditorium	Nov 23	2:00 - 3:40 PM	<a href="#">Adoption and Adaptation: Assessing the Integration and Impact of AI Technologies In Educational Settings</a>	Ms. Christine May A. Torres-Reyman	Paper Presentation
Auditorium	Nov 23	2:00 - 3:40 PM	<a href="#">Impact evaluation of a four-year professional development program for science teachers aimed at designing, implementing, and</a>	Ms. Anne S. Lorca	Paper Presentation
Biology Lab	Nov 23	10:45 - 12:15 PM	<a href="#">Maximizing impact through monitoring and evaluation: Developing a results chain for STEM education programs and projects</a>	Ms. Eijah Isabella P. Ednalino	Workshop
Chemistry Lab	Nov 22	12:55 - 2:05 PM	<a href="#">Development and Validation of Three-Tiered Cell Cycle Concept Test for Identification of Misconceptions</a>	Mr. Esmeth C. Espinola	Paper Presentation
Chemistry Lab	Nov 22	12:55 - 2:05 PM	<a href="#">Game On! Design, Development, and Evaluation of a Game-based Mobile Learning Application in Living Things and Their</a>	Mr. Franz Ian D. Solomon	Paper Presentation
Chemistry Lab	Nov 22	12:55 - 2:05 PM	<a href="#">Gamified Blended Learning: Effects on Science Mastery Level and Student Motivation</a>	Mr. Jeniel A. De Leon	Paper Presentation
Chemistry Lab	Nov 22	2:20 - 3:30 PM	<a href="#">Development and Validation of the Visual Representations Test in Chemistry: A Rasch Analysis</a>	Dr. Jonathan M. Barcelo	Paper Presentation
Chemistry Lab	Nov 22	2:20 - 3:30 PM	<a href="#">ION: A Learning Model in Teaching Formula Writing and Naming of Compounds</a>	Mr. John Kenneth B. Taneo	Paper Presentation
Chemistry Lab	Nov 22	2:20 - 3:30 PM	<a href="#">Musichemistry: Effects on Learners' Motivation, Engagement and Proficiency in Chemistry</a>	Mr. John Mark P. Burila	Paper Presentation
Chemistry Lab	Nov 22	3:30 - 4:30 PM	<a href="#">Integrating Augmented Reality (AR) in STEM education: ARE we ready for this?</a>	Ms. Jacqueline Rose M. Gutierrez, Mr. Jude Krisson C. Toledo, Mr.	Open Space

Chemistry Lab	Nov 23	2:00 - 3:40 PM	<a href="#">General Chemistry Assessment Tool for Solids and Liquids</a>	Mr. Rafael Benedick F. Santos	Paper Presentation
Chemistry Lab	Nov 23	2:00 - 3:40 PM	<a href="#">Students' Authentic Innovative Outputs and Engagements in Disaster Readiness and Risk Reduction through Project-Based Learning</a>	Mr. Gilden Maecah M. Migalang	Paper Presentation
Chemistry Lab	Nov 23	2:00 - 3:40 PM	<a href="#">Flexi-Lesson Study: Collaborative Development of a Grade 10 Lesson on Protein Synthesis</a>	Mr. Michael Anthony B. Mantala	Paper Presentation
Earth Science Lab	Nov 23	10:45 - 12:15 PM	<a href="https://docs.google.com/document/d/1O2SxqY3v3B3Lk0WK1cJk4Dbb_aUI26s6/edit">https://docs.google.com/document/d/1O2SxqY3v3B3Lk0WK1cJk4Dbb_aUI26s6/edit</a>	Dr. Katie Wade-Jaimes	Workshop
Elementary Math Lab	Nov 22	3:30 - 4:30 PM	<a href="#">Issues in STEM Education [Unpacking the Conundrum: Optimizing Mathematics Integration in STEM Education]</a>	Dr. Allan M. Canonigo	Open Space
Elementary Math Lab	Nov 23	10:45 - 12:15 PM	<a href="#">Interactive Math Lessons with Desmos Activity Builder and Desmos Classroom</a>	Mr. Reymund R. Gonowon	Workshop
Elementary Science Lab	Nov 22	12:55 - 2:05 PM	<a href="#">Math Discourse Matters</a>	Dr. Erlina R. Ronda, Jervis A. Macaballug Julie Reyes, Haidee P.	Symposium
Elementary Science Lab	Nov 22	2:20 - 3:30 PM	<a href="#">Mathematics instruction in STEM in the early grades</a>	Ms. Edna G. Callanta, Ms. Dana M. Ong, and Dr. Monalisa T. Sasing	Symposium
Elementary Science Lab	Nov 22	3:30 - 4:30 PM	<a href="#">Unveiling the Spiritual Nature of Science</a>	Dr. Reynand F. Dumalalon	Open Space
Elementary Science Lab	Nov 23	10:45 - 12:15 PM	<a href="#">Promoting Education for Sustainable Development (ESD) through the Integration of UN International Day Celebrations in</a>	Mr. Melandro D. Santos	Workshop
Elementary Science Lab	Nov 23	2:00 - 3:40 PM	<a href="#">Error patterns in decimals and fractions: The case of pre-service elementary teachers</a>	Dr. Joan B. Sionicio	Paper Presentation

Elementary Science Lab	Nov 23	2:00 - 3:40 PM	<a href="#">The Cognitive and Non-Cognitive Effects of Geogebra Integration</a>	Mr. Genaro T. Ardina	Paper Presentation
Elementary Science Lab	Nov 23	2:00 - 3:40 PM	<a href="#">A meta-synthesis of effective practices and outcomes in the use of manipulatives for teaching mathematics</a>	Mr. Robert Jay N. Angco	Paper Presentation
Elementary Science Lab	Nov 23	2:00 - 3:40 PM	<a href="#">Integrating ChatGPT in Math Education: A Narrative Inquiry into Mathematical Investigation, Problem Solving, and</a>	Dr. Herman Magbanua Lagon	Paper Presentation
HS Math Lab	Nov 22	3:30 - 4:30 PM	<a href="#">Mathematical modelling in integrated STEM tasks</a>	Ms. Haidee P. Rosete	Open Space
Info Sci Lab	Nov 23	10:45 - 12:15 PM	<a href="#">Empowering STEM educators with Yudu Copilot: A hands-on workshop on AI tools for teachers</a>	Ms. Cheryl B. Nasol	Workshop
Physics Lab	Nov 22	12:55 - 2:05 PM	<a href="#">Identifying and Validating Attributes of Explaining Phenomena Scientifically under the Cognitive Diagnostic Modeling</a>	Dr. Ivy P. Mejia	Paper Presentation
Physics Lab	Nov 22	12:55 - 2:05 PM	<a href="#">Enhancing student engagement and motivation in Science using the flip-j strategy</a>	Ms. Jasmine A. Diata Cruz	Paper Presentation
Physics Lab	Nov 22	12:55 - 2:05 PM	<a href="#">Exclusion-Driven Learning Losses in Science Teaching and Post-Pandemic Mitigation</a>	Dr. Ivy P. Mejia	Paper Presentation
Physics Lab	Nov 22	2:20 - 3:30 PM	<a href="#">STEM activities based on 3D printing technology: A focus on advancing secondary students' science and engineering practices in</a>	Ms. Asma Abdullah AlShabnuti	Paper Presentation
Physics Lab	Nov 22	2:20 - 3:30 PM	<a href="#">Technological, Pedagogical, and Content Knowledge of Physics Teachers (TPACK): Basis of In-service Training Design</a>	Ms. Blossom Pearl Palmares Tabuada	Paper Presentation
Physics Lab	Nov 22	2:20 - 3:30 PM	<a href="#">A Structural Model of Grit, Expectancy-Value and 21st Century Skills on the Physics Achievement of STEM College Freshmen</a>	Dr. Alwielland Q. Bello	Paper Presentation

Physics Lab	Nov 23	10:45 - 12:15 PM	<a href="https://docs.google.com/document/d/1_hbBibJzFcTewnhPNcBmzH4JU-q_461M/edit">https://docs.google.com/document/d/1_hbBibJzFcTewnhPNcBmzH4JU-q_461M/edit</a>	Dr. Orawan Sriboonruang	Workshop
Physics Lab	Nov 23	2:00 - 3:40 PM	<a href="#">Are task value mindset and self-efficacy predictors of concept mastery in physics among Grade 8 students?</a>	Ms. Shaira S. Sarmac	Paper Presentation
Physics Lab	Nov 23	2:00 - 3:40 PM	<a href="#">An Illuminative Evaluation of the Grade 12 Introduction to 3D Printing Class Conduct</a>	Ms. Reena R. Ongsotto	Paper Presentation
Physics Lab	Nov 23	2:00 - 3:40 PM	<a href="#">Teachers' Appropriation of GeoGebra Applets in Teaching Mathematics</a>	Dr. Erlina R. Ronda and Ms. Abigail B. Gonzales	Paper Presentation
Physics Lab	Nov 23	2:00 - 3:40 PM	<a href="#">Levels and Sources of Conceptual Understanding of Conic Sections Among STEM Students: Towards a Model with</a>	Dr. Janwin C. Magas	Paper Presentation