



Program of Presentations

The 13th Rajamangala University
of Technology International Conference

Oral Presentations

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RMUTCON



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The 13th Rajamangala University of Technology International Conference

July 22-23 , 2025

Oral Presentations

July 22 , 2025

Session 6 Resource Management

Meeting Room : Phra Erawan 2

Chairman : Dr.Suwanna Kemdang

Co-Chair : Ms. Precious Joyce D. Ogdod.

Code	Time	Title	Presenter
OIR-01	01:00-01:15 PM	Utilization of Solar Panel Technology in Calbayog City	Dr. Judith S. Calamayo
OIR-02	01:15-01:30 PM	Water Analysis of Drinking Water in San Antonio, Northern Samar	Lady Daryl A. Berbon
OIR-03	01:30-01:45 PM	Exploring Blockchain Technology for Enhancing Waste Source Tracking and Data Transparency in the Philippines	Dr. Ervin L. Rodriguez
OIR-04	01:45-02:00 PM	Harmonizing Sustainable Leadership Practices in Schools with Department of Education Lone-Term Goals	Victor C. Cea
OIR-05	02:00-02:15 PM	Living, Learning, and Leading: Lived Experiences of Students with Sensory and Physical Impairments	Dr. Maria Lucil H. Dollado
OIR-06	02:15-02:30 PM	The Effects of Destination Antecedents and Tourist Judgments and Feelings on Destination Tourist Resonance: A Mediation and Moderation Analysis	Mark Justine P. Vicala
OIR-07	02:30-02:45 PM	Factors Influencing the Use of Freelance Platform in Medical Labor Market	Chotipong Sansern
OIR-08	02:45-03:00 PM	Administrators' Best Practices in Resource Management and Their Performance in the Department of Information and Communications Technology in the National Capital Region	Renato Paraiso
OIR-09	03:00-03:15 PM	Administrators' Management Competencies: Implications for the Productivity of Punong Barangays in Quezon City	Ronnel B. Hombre
OIR-10	03:15-03:30 PM	Administrative and Supervisory Practices of Punong Barangays in Quezon City: Implications for Good Governance	Albert A. Anosa

July 23 , 2025

Session 1 Humanities and Social Sciences

Meeting Room : Phra Matali 1

Chairman : Asst. Prof. Dr.Nitinan Srisuwan

Co-Chair : Dr.Vitsanu Nittayathammakul

Code	Time	Title	Presenter / University
OIH-01	01:15-01:30 PM	The Analysis on Writing Errors of 2nd Undergraduate Students at English Department, Faculty of Linguistics and Humanities, Savannakhet University, Lao People's Democratic Republic	Wichai Pommairungruaeng et al. RMUTK
OIH-02	01:30-01:45 PM	Learning with PRIDE: A Decade of English Camp Innovation and Student Empowerment	Dhunyawat Treenate et al. RMUTK
OIH-03	01:45-02:00 PM	Moral Lessons in Children's Literature: A Content Analysis of Ethical Themes in Charlotte's Web for Higher Education	Dhunyawat Treenate et al. RMUTK
OIH-04	02:00-02:15 PM	The Study of Problems found in the workplace during Co-operative Education of students from Rajamangala University of Technology Rattanakosin Bophit Phimuk Chakkrawat Campus	Maswika Chaiyapoo et al. RMUTR
OIH-05	02:15-02:30 PM	Exploring the Educational Adaptation of Asian Art and Design Students in Wisconsin and Milwaukee: A Framework for Smart Learning and Cross-Cultural Innovation under Thailand 4.0	Sukontaroat Kongcharoen RMUTR

Session 2 Agricultural and Food Innovation

Meeting Room : Phra Erawan 1

Chairman : Assoc. Prof. Dr.Nipaporn Kanthong

Co-Chair : Assoc. Prof. Dr.Supuksorn Masavang

Code	Time	Title	Presenter / University
OIA-01	09:00-09:15 AM	Influence of fertigation on growth, yield, and ratooning ability of sugarcane (<i>Saccharum officinarum</i> L.) var. Khon Kaen 3	Yuphadet Tesmee et al. SUT
OIA-02	09:15-09:30 AM	Utilization of Pectin from Pomelo Peel as the Stabilizer in Synbiotic Yogurt	Seksan Mangkalan et al. RMUTI
OIA-03	09:30-09:45 AM	Enhancing Cassava Yield and Water Use Efficiency Through Drip Irrigation Controlled	watcharaporn saiphoo et al. SUT

Code	Time	Title	Presenter / University
		by Wireless Sensors and a Water Balance Model in Clay Loam Soil	
OIA-04	09:45-10:00 AM	Biogenic Amine Formation and Microbiological Profile in Asian Seabass and Short-Bodied Mackerel During Refrigerated Storage	Watcharacha Krongkeha RMUTR
OIA-05	10:00-10:15 AM	Effect of Dictyophora Indusiata Powder and Purple Rice Flour on The Baking Quality Characteristics and Volatile Flavor of CSookies	Yuyue Qin et al. KMUST

Session 3 Science and Engineering Technology

Meeting Room : Phra Indra 2

Chairman : Assoc. Prof. Dr.Amorn Chaayasat

Co-Chair : Asst. Prof. Dr.Duongruitai Nicomrat

Code	Time	Title	Presenter / University
OIS-01	10:30-10:45 AM	The Cytotoxicity and Alkaline Phosphatase Activity of Water-Soluble Extract from the Abalone Nacre on the Preosteoblast	Nijjareeya Sirisriro et al. RUTS
OIS-02	10:45-11:00 AM	Sitting Posture Detection and Prevention of Office Syndrome Using MediaPipe Technology	Panadda Solod et al. RUTS
OIS-03	11:00-11:15 AM	Real-Time pH Monitoring and Automated Control System for Sustainable Aquaculture	Wannadeer Nawae et al. RUTS
OIS-04	11:15-11:30 AM	IoT-Based Remote Monitoring and Alert System for Bedridden Patient Care in Thailand	Nattasit Dancholvichit et al. RMUTR
OIS-05	11:30-11:45 AM	Herbal Sheet-Free Peel-off Facial Mask Development from Cissampelos spp. Leaf Powder	Seksan Mangkalan et al. RMUTI
OIS-06	11:45-12:00 PM	Enhancement of Allura Red Removal by Using Semi-IPN Hydrogels Based on Natural Rubber and Poly (Ethylene Glycol) Methyl Ether Methacrylate	Ekkachai Martwong et al. RUS
OIS-07	01:00-01:15 PM	Analysis of the Advancement Technologies and Development Trends of Photovoltaic Module	Pasist Suwanapingkarl et al. RMUTP
OIS-08	01:15-01:30 PM	Uncovering the Role of Fe in Geopolymers via Synchrotron XANES and EXAFS: Insights from Fly Ash, Bagasse Ash, and Calcium Carbide Residue Systems	Teerapon Saowapan et al. RMUTI
OIS-09	01:30-01:45 PM	Influence of Pozzolanic Materials in Ternary Blend Systems on Strength and Chloride Resistance of Concrete	Nutchapongpol Kongchasing et al. RMUTP

Session 5 Business and Economics
Meeting Room : Phra Matali 1

Chairman : Asst. Prof. Dr. Nitinan Srisuwan

Co-Chair : Dr.Vitsanu Nittayathamkul

Code	Time	Tittle	Presenter / University
OIB-01	01:00-01:15 PM	The Inquiry of Knowledge, Skills, and Attitudes Toward Digital Technology for Travel Agency Employees in Bangkok, Thailand	Sumalee Nunthasiripon et al. RMUTK

Session 6 Resource Management
Meeting Room : Phra Erawan 2

Chairman : Asst. Prof. Dr.Thanaphon Ratchatakulpat

Co-Chair : Ms. Precious Joyce D. Ogdod.

Code	Time	Tittle	Presenter
OIR-11	09:00-09:15 AM	Strengthening Instructional Delivery Through Administrative and Learning Resource Support: Basis for a Framework-Based Enhancement Approach	Jonalyn Cabasa
OIR-12	09:15-09:30 AM	Exploring Artificial Intelligence in Higher Education: Faculty Perspective on Equity and Accessibility	Redem D. Tingzon
OIR-13	09:30-09:45 AM	Influence of Leadership Style on Good Governance Practices Among Municipal Officials: Basis for an Enhanced Training Program	John Kairo Ramil M. Fajardo
OIR-14	09:45-09:00 AM	Development of Client Feedback System for Frontline Services of NwSSU	Engr. Ryan Emil T. Zosa, IV
OIR-15	10:00-10:15 AM	Executive Decision-Making and Digital Transformation: A Study of Selected IT Company Leadership in the Post-Pandemic Era	Dennis Luyahan
OIR-16	10:15-10:30 AM	Strategic Leadership and Innovation Culture in Selected IT Enterprises: Driving Sustainable Growth	Chona P. Luyahan
OIR-17	10:30-10:45 AM	Enhancing Public Service Efficiency Through Strategic Management in the National Transmission Corporation	David Rafael M. Escobido
OIR-18	10:45-11:00 AM	Administrators' Best Practices in the Management of Resources and the Performance of Chiefs of Public Hospitals in Quezon City	Emmie Liza Perez-Chiong

Code	Time	Title	Presenter
OIR-19	11:00-11:15 AM	Administrators' Best Practices in the Management of Resources and Performance of Heads of Office in the National Commission for Indigenous Peoples in North Cotabato	Nancy A. Catamco
OIR-20	11:15-11:30 AM	Administrators' Best Practices on the Management of Resources and Performance of Punong Barangays in Quezon City	Zeny Ang Mancilla
OIR-21	11:30-11:45 AM.	Administrators' Best Practices in the Management of Resources and Performance of Heads of Office in the National Commission for Indigenous Peoples in Selected Cities in Metro Manila	Karla Eugenia Anosa
OIR-22	11:45-12:00 AM	Proposed Design of Portable Emergency Shelter in Tacloban City, Leyte	Vanessa R. Ayllon

Session 6 Resource Management

Meeting Room : Phra Erawan 2

Chairman : Asst. Prof. Dr.Gumporn Supasettaysa

Co-Chair : Ms. Precious Joyce D. Ogdod.

Code	Time	Title	Presenter
OIR-23	01:00-01:15 PM	Administrators' Best Practices in the Management of Resources and Performance of Chiefs of Public Hospitals in Manila	Farwa Hombre
OIR-24	01:15-01:30 PM	Student Services Programs of NwSSU	Wilfredo A. Aurea
OIR-25	01:30-01:45 PM	Practices and Challenges in Law Enforcement in Selected Police Precincts in the City of Taguig	Rochelle Glenn A. Villanueva
OIR-26	01:45-02:00 PM	Gazing at the Efficacy and Management Strategies of Vice Presidents for Administration in State Universities in Eastern Visayas	Engr. Rhio C. Dimakiling
OIR-27	02:00-02:15 PM	Practices and Challenges in the Implementation of the Barangay Justice System in Selected Barangays in the City of Manila	Gerardo G. Sadsad
OIR-28	02:15-02:30 PM	Status of Science Teaching Laboratories of State Universities and Colleges in One Region of the Philippines: Basis for Plan of Action	Dr. Nelcie E. Mabini
OIR-29	02:30-02:45 PM	School Safety and Security Among Selected Schools: Basis for Safety Protocols	Johpre R. Galindez