ICJS 2026 VIRTUAL INTERNATIONAL STUDENT RESEARCH CONFERENCE

CONFERENCE PROGRAM

August 22–23, 2026
Virtual

SATURDAY, AUGUST 22, 2026

SESSION I: SOCIAL SCIENCES & PUBLIC POLICY

7:00-8:00 AM PT / 10:00-11:00 AM ET / 9:00-10:00 AM CT Pakistan: 7:00-8:00 PM
Join Session → icjs.us/icjs2026-session1

---

5. The role of technology in increasing awareness of gender based violence among students in Kenya Methodist University

Ashley Kamau (presenting)

8. The Non-Hispanic Caribbean American Experience with Internalized Racism: A Phenomenological Investigation

Shalini Ramchune (presenting)

13. Algorithmic Diplomacy: The Role of Artificial Intelligence in Shaping 21st Century Foreign Policy Decisions

Rabi Ul awal (presenting)

27. Attachment Insecurity and Well-Being in Dementia Spousal Caregivers: The Moderating Role of Marital Satisfaction

Vincent Lai (presenting), Daniel Argueta, Kelly Brice, Bryan Denny, Charles Green, Luis Medina, Jensine Paoletti-Hatcher, Paul Schulz, Jennifer Stinson, E. Lydia Wu-Chung, Cobi Heijnen, Christopher Fagundes

SESSION II: POSTER

8:00-9:00 AM PT / 11:00 AM-12:00 PM ET / 10:00-11:00 AM CT India: 8:30-9:30 PM
Join Session → icjs.us/icjs2026-session2

---

2. AODD-01: Autonomous Orbital Debris Dismantler Humanoid Robot for Orbital Debris Dismantling and Resource Recovery & Space Industrial Ecology

Iftitah Ahtikiszi, *Mikhail Hajrin (presenting)*

4. Harnessing the Anti-oxidant Activity of Selected Natural-Product-based Molecules as a Strategy for Assessment of Inhibition of Hyaluronidase: Viable Options for Reducing Inflammation Phase in Chronic Burn Injury

Rusham Paul Chowdhury (presenting), Jyoti Senapati, Kazi Ahmed

9. The Effect of Plant-Based Secondary Metabolites Derived from Chinese Medicine as an Efflux Pump Inhibitor to Minimize Antibiotic Resistance of Efflux Pumps in E. coli

Alicia Lin (presenting)

12. Factors contributing to a career choice abroad among Rwandan students in Poland

Faucal Marie Providence Idufashe (presenting)

15. Characterizing Genetic Factors in the Efficacy of Drug Combinations for Metastatic Breast Cancer

Verina Samir (presenting)

17. Functional Brain Connectivity During Naturalistic Movie Watching and Cognitive Flexibility in Early Childhood

Renata Ziganova (presenting)

18. Can national vaccination coverage forecast measles activity? A longitudinal ecological study of 33 Latin American and Caribbean countries, 2011–2025

Matias Sandoval Mancilla (presenting)

21. Characterizing Acetylene's Behavior in Interstellar Ice Analogs

Rhianne Mae Tabayoyong (presenting), Julia Santos

22. **UV Photodestruction of Ethylamine in Astrophysical Ice Environments**
Addison Snyder (presenting), Michelle Brann

23. **Training the Adaptable Brain: A Self-Directed Exploration of Neuroplasticity**
Patient Irinatwe (presenting)

29. **Understanding Behavioral Transitions in Hydra through Graph Theory**
Linda Liu (presenting), Christophe Dupré, Florian Engert

30. **Microfluidic Tumor-on-a-Chip Technology in Lung Cancer Therapeutics**
Chloe Lee (presenting), Hew Yue Mock, Yu Ern Leow

36. **Implantable Targeted Neuro-Delivery System: A Novel and Non-Invasive Treatment for Multiple Sclerosis**
KaLong Chan (presenting), Francine Guevara, Emmanuel Brown

SESSION III: ENVIRONMENTAL SCIENCE & SUSTAINABILITY

5:00-6:00 PM PT / 8:00-9:00 PM ET / 7:00-8:00 PM CT Philippines: 8:00-9:00 AM Sunday
Join Session → icjs.us/icjs2026-session3

---

7. **From Forests to Servers: Mapping the Environmental Footprint of AI Infrastructure Expansion**
John Clarenz Medija (presenting)

10. **The Correlation Between Pesticides and Cancer**
Mya Pop (presenting)

34. **Preventing Mosquito Puncture and Saliva Transmission: Evaluation of Novel Topical Barriers using Oncopeltus fasciatus Model**
Yana Dewan (presenting)

35. **The Effect of Varying Urea 46-0-0 Concentrations on the Growth of Chlorella vulgaris**
Yana Dewan (presenting)

SUNDAY, AUGUST 23, 2026

SESSION IV: ENGINEERING, TECHNOLOGY & APPLIED MATHEMATICS

6:00-7:00 AM PT / 9:00-10:00 AM ET / 8:00-9:00 AM CT Nigeria: 2:00-3:00 PM
Join Session → icjs.us/icjs2026-session4

11. Modeling Dark Matter Density Profiles in Spiral Galaxies Using Mass Decomposition and Symbolic Regression
Minal Matai (presenting)

14. Divergent Hydration Kinetics: Type-Aware Artificial Intelligence Framework for Compressive Strength Prediction and Sustainability Evaluation in Concrete Composites
Talal Malik (presenting)

16. A Continuous-Time Finite-Island Model with Sex-Differentiated Migration and Distinct Island Populations for the Gene Flow Analysis of X-linked Recessive Diseases
Christ Ian Navarro (presenting), Matthew Jerome Arciaga, Khaila Nicole Marquez, Anne Scena Nicolas, Rhianne Aira Paz, Guiller Jobert Suarez

24. Gas-phase Transport Limitations and Activated-Carbon Filtration in Enclosed FDM printing chambers
Johnson Che (presenting)

25. Saliency-Guided Augmented Data Framework has Potential to Improve Equitable Thyroid Cancer Diagnosis for Black and Hispanic Patients, Uninsured Individuals, Lower-Income Populations, and People Living in Rural Areas
Avi Stone (presenting)

31. Computational Complexity of Optimization Problems via Random Spin Hamiltonians
Kasirga Hamidi (presenting), Alex Kamenev

32. Ethics-by-Design in Health Data Engineering for AI-Driven Healthcare Systems
Francisca Mbanwusi (presenting)

SESSION V: LIFE & HEALTH SCIENCES

3:00-4:30 PM PT / 6:00-7:30 PM ET / 5:00-6:30 PM C Nigeria: 11:00 PM-12:30 AM (+1)
Join Session → icjs.us/icjs2026-session5

1. ORACLE: Oncogenic Reversion via Attractor-guided Computational Landscape Engineering
Aaryan Senthilvanan (presenting)

3. Metabolomics-Guided Precision Nutrition: A Sustainable Strategy for Reducing the Global Burden of Non-Communicable Diseases
Christiana Kolapo (presenting), Victor Kolapo

6. From Correlation to Causation: Causal Feature Discovery Framework for Early Chronic Kidney Disease Detection
Jorge Creiann Jarme (presenting)

19. Children Left Behind? Pediatric Eligibility and Geographic Access in Antibody-Mediated Neuroinflammatory Trials: A Registry-Based Cross-Sectional Study
Matias Sandoval Mancilla (presenting), Karime Melgarejo Acuña

20. AN AD5941-BASED MICRONEEDLE WEARABLE ELECTROCHEMICAL PLATFORM FOR CONTINUOUS MULTI-BIOMARKER MONITORING AND IMPEDANCE-GUIDED SENSITIVITY CALIBRATION IN SIMULATED INTERSTITIAL FLUID
Fabio Farias Saavedra (presenting), Leonardo Espinoza Machuca

26. Do the Clinical Signs of Canine Acute Pancreatitis Vary by Region? A Meta-Analytic Test

Aiden Bai (presenting)

33. Diagnostic Accuracy of Serum MicroRNA-155 as a Non-Invasive Biomarker for Early-Stage Non-Small Cell Lung Cancer: A Meta-Analysis

Nitya Gaddamanugu (presenting)

37. The Role of Gut Microbiota Dysbiosis in the Development of Mood Disorders and Neurodevelopmental Conditions

Shivani Chalichama (presenting)

38. Investigating the Effects of Engineered Plasmid Systems on VHL-Mediated Molecular Glue Interactions

Marvel Hanna (presenting), Alex Bendel, Nicolas Thomä

28. Acute Physiological and Psychological Responses to a Culturally Adapted Bharatanatyam-Based Exercise Intervention in Older Indian Adults: A Pilot Comparative Study

Aditi Trivedi, Shriya Nagammanavar, and Niharikha Vimal

PROGRAM NOTES

• Welcoming remarks will be prerecorded and available throughout the conference to accommodate different time zones.