KICSS 2024 Conference Program

December 5-7, 2024

Grand Istana Rama Hotel, Indonesia

December 5 (Thu)

10:00-10:30   **Welcome Coffee and Snacks**

10:30-11:00   **Opening Ceremony (MC: Tokuro Matsuo)**

> **Welcome address by General Chair (Prof. Ford Lumban Gaol, Bina Nusantara University, Indonesia)**
>
> **Welcome Address by Conference Founder (Prof. Emer. Susumu Kunifuji, Japan Advanced Institute of Science and Technology, Japan)**

11:00-12:00   **Keynote 1 (Session Chair: Ford Lumban Gaol)**

> **The Gravity of Social Interactions: Understanding Personality Shifts via Temporal Graphs and Deep Learning**
>
> *Dr. Lidia Sandra*
>
> *Vice Rector Bali Dwipa University, Bali, DCS Alumni*

12:00-13:30   **Lunch (Complementary)**

13:30-14:30   **Keynote 2 (Session Chair: Ford Lumban Gaol)**

> **Beyond Tacit Knowledge: Uncovering the True Essence of Expert Excellence**
>
> *Prof. Takuichi Nishimura*
>
> *Japan Advanced Institute of Science and Technology, Japan*

14:30-15:00   **Coffee Break**

15:00-16:30   **Invited Talk 1 (Session Chair: Tokuro Matsuo)**

> **Synergizing Finance and Technology: Machine Learning, Blockchain, and Risk Management in Banking**
>
> *Benny K. Yudiaatmaja*
>
> *FRM Risk Advisor at Indonesia Eximbank, DCS Student*

Invited Talk 2 (Session Chair: Tokuro Matsuo)

Paradigm Shift - Virtual Commodities in the Virtual World

Gede Indra Raditya Martha

CEO - PT. Stargazer Teknologi Indonesia, DCS Student

17:30-19:30   **Conference Reception (Complementary)**

December 6 (Fri)

9:30-10:30   **Technical Session (Session Chair: Yuya Yokoyama)**

Value Design Method for Digital Innovation (*)

Hikaru Fujine and Naoshi Uchihira

Knowledge Digital Twin: Bridging the Gap Between Physical and Cyber Knowledge Spaces by Generative AI (*)

Naoshi Uchihira, Koki Ijuin and Takuichi Nishimura

Constraint-Based Protocol for Efficient Automated Negotiation in Multi-issue negotiation

Shun Okuhara and Takayuki Ito

10:30-11:00   **Morning Coffee and Snacks**

11:00-12:20   **Sessions (Session Chair: Naoshi Uchihira)**

An Automatic Bottom-up Idea Grouping Method based on LLMs (*)

Takayuki Ito and Shun Okuhara

Proposal of a Haiku Evaluation Method Using Large Language Models and Prompt Engineering (*)

Shunki Tomizawa, Soichiro Yokoyama, Tomohisa Yamashita and Hidenori Kawamura

Extracting Factors through Additional Impression Evaluation Experiment Assessing Both High-rated and Low-rated Reviews Posted at EC Sites (*)

Yuya Yokoyama, Takaaki Hosoda and Tokuro Matsuo

12:20-13:30	**Lunch (Complementary)**
13:30-14:30	**Keynote 3**

Advances in Human Activity Recognition: Intelligent Systems and Real-World Applications

Prof. Tessai Hayama

Nagaoka University of Technology, Japan

14:30-15:00	**Coffee Break**
15:00-17:00	**Technical Session (Session Chair: Takaaki Hosoda)**

The Influence of Body Usage on Creative Drawing: A Comparison of Calisthenics and Meditation in Junior High School Students (*)

Satoko Nishizawa and Takaya Yuizono

Study on the application of weak Go AI in Go education: the balance between go progress and emotional value

Chi Liu and Motoki Miura

How Computer Vision Complements Health Care/Nursing Environment -Anomaly Detection with Hierarchical Classification of Human Motion-

Kayako Miya and Atsuo Yoshitaka

Estimating Human Difficulty for SameGame Puzzles (*)

Motoki Miura

Business Professionals' Acceptance of Ikebana (*)

Kenzaburo Hitomi and Takaya Yuizono

18:00-20:00	**Conference Banquet (Complementary) and Award Presentation**
December 7 (Sat)	
9:30-10:30	**Technical Session (Session Chair: Shun Okuhara)**

Optimization of recommendation system by improving serendipity and grouping users based on their number of

data points

Haruto Domoto, Tetsuya Nishibe, Takahiro Uchiya and Ichi Takumi

How Does the Persona Given to Large Language Models Affect the Idea Evaluations?

Hiroaki Furukawa

A Novel Balanced Reporting Innovation with Data Governance Evolution (BRIDGE) Method: An Eduinformatics Integration of Creativity, Abduction and Organizational Knowledge Acceptance (*)

Kunihiko Takamatsu, Sayaka Matsumoto, Koichi Akashi, Hibiki Ito, Takafumi Kirimura, Taion Kunisaki, Ikuhiro Noda, Ryosuke Kozaki, Aoi Kishida, Katsuhiko Murakami, Yasuo Nakata and Masao Mori

10:30-11:00   Morning Coffee and Snacks

11:00-12:00   Sessions (Session Chair: Kunihiko Takamatsu)

Investigation of Effective Heart Rate Variability Indices for Emotion Estimation During Long-term Images Gazing

Tetsuya Nishibe, Haruto Domoto, Takahiro Uchiya, Ichi Takumi and Arao Funase

Clinical Reasoning and Decision Making through Knowledge Networks and Abduction: A Sustainable Framework based on Eduinformatics

Yasuo Nakata, Kenya Bannaka and Kunihiko Takamatsu

12:00-13:30   Lunch (Complementary) and Conference Adjournment

(*) Highly evaluated papers group (easychair score over 30)