



The 12<sup>th</sup> International Conference on ICT for Smart Society (ICISS) 2025

# Global Perspectives on AI & Technology Innovation



The conference is scheduled to be held on  
September 3rd-4th, 2025 in Bandung, Indonesia  
(Hybrid Conference)

CONTACT &  
REGISTRATION



[linktr.ee/iciss\\_2025](https://linktr.ee/iciss_2025)

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the Details



# Call for Papers:

Exploring Real-World Challenges in AI Innovations – Smart X Systems, International Collaboration, Generative AI Trends, and Ethical Privacy in Smart Energy Systems

## 1. INTEGRATION OF SMART X SYSTEMS IN GLOBAL AI INNOVATIONS

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| <ol style="list-style-type: none"> <li>1. AI in Smart Healthcare Systems</li> <li>2. Educational Technologies Enhanced by AI</li> <li>3. AI Applications in Environmental Monitoring</li> <li>4. Defense and Security AI Systems</li> <li>5. AI for Financial Technology (FinTech)</li> <li>6. AI-Driven Smart Agriculture and Precision Farming</li> <li>7. Cultural Heritage Preservation with AI</li> <li>8. Astronomical Data Analysis Using AI</li> </ol> | <ol style="list-style-type: none"> <li>9. AI in Architectural Design and Smart Buildings</li> <li>10. AI in Sports Analytics and Performance Enhancement</li> <li>11. AI in Fashion Design and Trend Forecasting</li> <li>12. Film and Animation Enhanced by AI</li> <li>13. AI in Industrial Automation and Industry 4.0</li> <li>14. Marine and Shipbuilding AI Technologies</li> <li>15. AI Applications in Communication Networks</li> </ol> |
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## 2. INTERNATIONAL COLLABORATION IN AI RESEARCH : ADVANCING INNOVATION THROUGH COOPERATION

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| <ol style="list-style-type: none"> <li>1. Global AI Education Initiatives</li> <li>2. Cross-Cultural Studies on AI Ethics</li> <li>3. International Health Informatics Collaboration</li> <li>4. Statistical Methods in Global AI Research</li> <li>5. Global Standards and Regulations for AI</li> <li>6. Collaborative AI Projects in Environmental Science</li> <li>7. Multinational Defense AI Programs</li> <li>8. AI in Social Behavior Analysis</li> </ol> | <ol style="list-style-type: none"> <li>9. International AI Research in Bioinformatics and Genetics</li> <li>10. Global Networks for AI in Sports Science</li> <li>11. Collaborative AI Research in Fashion Technology</li> <li>12. International Chemistry Databases Powered by AI</li> <li>13. Energy Sector AI Collaborations Worldwide</li> <li>14. Global Mining Industry AI Applications</li> <li>15. Marine Engineering Innovations through AI Collaboration</li> </ol> |
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## 3. FUTURE DIRECTIONS OF GENERATIVE AI: TRENDS AND PREDICTIONS

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| <ol style="list-style-type: none"> <li>1. Generative AI in Drug Discovery and Development</li> <li>2. AI-Generated Educational Content and Personalized Learning</li> <li>3. Cultural Impact of AI-Generated Art and Media</li> <li>4. Generative Models in Statistical Analysis and Data Simulation</li> <li>5. Environmental Modeling and Forecasting with Generative AI</li> <li>6. Legal and Ethical Aspects of AI Creativity</li> <li>7. Generative AI in Military Simulations and Training</li> <li>8. AI in Architectural Modeling, Design, and Virtual Reality</li> </ol> | <ol style="list-style-type: none"> <li>9. Generative AI in Sports Strategy, Training, and Analytics</li> <li>10. Chemical Compound Generation via AI for Material Science</li> <li>11. Generative AI in Fashion Design and Virtual Prototyping</li> <li>12. Film, Animation, and Virtual Production with AI</li> <li>13. Generative AI in Mechanical Design and Engineering</li> <li>14. AI-Driven Geological Modeling and Mineral Exploration</li> <li>15. Astronomical Simulations via Generative AI</li> </ol> |
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## 4. ETHICAL AND PRIVACY CONSIDERATIONS OF AI IN SMART BUILDING ENERGY SYSTEMS

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| <ol style="list-style-type: none"> <li>1. User Data Privacy in Smart Homes and Buildings</li> <li>2. Psychological Effects of AI in Living and Working Spaces</li> <li>3. Regulatory Compliance in Energy Data Management</li> <li>4. Ethics of AI in Architectural Design and Construction</li> <li>5. AI and Public Health in Built Environments</li> <li>6. Cultural Perceptions of AI Technologies in Society</li> <li>7. Cybersecurity for Smart Energy and Utility Systems</li> <li>8. Mathematical Modeling of Privacy Risks in AI Systems</li> </ol> | <ol style="list-style-type: none"> <li>9. Environmental Ethics and AI Applications in Energy</li> <li>10. AI Impact on Sports Facilities and Energy Efficiency</li> <li>11. Privacy Concerns in AI-Driven Fashion Retail Spaces</li> <li>12. Intellectual Property Rights in AI-Created Film and Animation</li> <li>13. Chemical Data Security in AI Applications</li> <li>14. Ethical Use of AI in Industrial Energy Management</li> <li>15. Maritime Data Privacy in AI Systems for Marine Engineering</li> </ol> |
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# 13 Global Innovators Speak

## THE TOPICS :

1

AI-Driven Digital Transformation:  
Policy and Regulatory Frameworks in Indonesia



2

AI-Enhanced Educational Technologies:  
Transforming Learning and Research in Indonesia



3

AI for Smart Cities:  
Lessons from South Korea's Urban Innovation



4

AI for Sustainable Smart X Development:  
Challenges and Opportunities in Indonesia



5

Cross-Border AI Collaboration:  
Advancing Research and Innovation in ASEAN



6

Foundation AI and Applications in Higher Education:  
Transforming Curriculum and Student Experience



7

AI in Mining:  
Transforming Safety, Productivity,  
and Sustainability in the Industry



# 13 Global Innovators Speak

## THE TOPICS :

8

Living Lab  
Intelligence Development



9

Development of a Smart-Agriculture framework  
to integrate farming IoT systems



10

The Digital Revolution in Healthcare:  
Enhancing Access and Quality of Medical Services



11

Big Data for Sustainability:  
Optimizing Environmental Management  
and Climate Change Mitigation



12

Bioinformatics and the Future of Medicine:  
From Genomic Analysis to Precision Drug Development



13

The Digital Transformation of Finance:  
Trends, Challenges, and the Future of  
Data-Driven Financial Systems



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