IGF 2024 Proposal - A Multistakeholder Perspective on Harnessing Generative AI to Transform Education for All

Dr. Jingbo Huang, Director, UN University Institute in Macau

Generative Artificial Intelligence (GenAI) has been transforming how we teach and learn. Its interactive nature can make learning more personalized, effective, and efficient. It also makes education more accessible and inclusive, especially for those from the Global South. But if misused, GenAI would pose serious risks, such as allowing cheating in writing and exams, and thus lead to negative learning outcomes.

The panel consists of a UNU expert, a minister of education, a computer science professor, a legal expert, and an educational technology company CEO. The panel will explore the potential innovation of GenAI to make learning more engaging and effective. For example, the private sector panelist will share stories of some recent start-ups and their innovative initiatives building on GenAI. The panel will also provide a multistakeholder perspective on how to mitigate the risks of GenAI to ensure its safe and equitable development and use for all. The computer scientist will demystify GenAI by explaining its technical possibilities and limitations. The legal expert from the global south will discuss issues on data privacy and copyright in educational settings. The policymaker from the ministry of education will share practices in their country, as well as discuss policymaking challenges on GenAI in education. Finally, the panel will provide policy recommendations to governments and international organizations on how to create an effective eco-system for GenAI to continue to grow ethically, transparently and effectively, so to shape a sustainable digital future for all.

Proposed Panelists

Moderator: Dr. Jingbo Huang, Director, UN University Institute in Macau

Dr. Jingbo Huang is the Director of the United Nations University Research Institute in Macau. The Institute that she is leading focuses its research at the intersection of digital technologies and SDGs. Dr. Huang has held several managerial positions at various UN system organizations such as UN Secretariat, UNDP, UNESCO and UNSSC in the past 20 years. Jingbo received her Doctor of Education degree from Columbia University.

Speaker: Mr. Mark Ray, Director, Department of Education Services, Cayman Islands

Mark has been an educator since 1996; he started his teaching career as a Mathematics and Computer Science teacher in his homeland Barbados. Mark transitioned from teaching to work in the Ministry if Education in Barbados where he worked as a Programme Officer and then Director for a national education reform initiative.

In 2007, Mark moved to the Cayman Islands to work with the Department of Education Services in the area of ICT integration. In the journey to becoming the Director of the Department of Education Services, he worked as Head of Business Services and acted in the capacity of Deputy Chief Officer.

Mark is a long-standing member of the Optimist Club of George Town, a certified volleyball coach, and a recipient of Cayman Islands Certificate and Badge of Honour in 2020.
Mark has studied at the University of the West Indies, Cave Hill; Columbia University; and the University of London.

**Speaker: Stephen Ta'Bois – STEM Specialist, Department of Education Services, Cayman Islands**

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Stephen has been an educator his entire adult life, having served as science teacher, Key Stage leader, head of physics and marine science and is currently the STEM Specialist for the Department of Education Services and is responsible for science and computing strategic and policy direction as well as school support and curriculum development in those subjects. As a strong advocate for lifelong learning, he has his MBA, APM Project Manager, Harvard Business School Program graduate, Institute of Leadership and Management Level 3, 5 and 7.

Stephen has always been passionate about education and keeping up on relevant developments and trends in both education and technology. He has worked with numerous local and international stakeholders to support the development of science and technology education across the Cayman Islands. He played a pivotal role in ensuring access to technology and platforms during Covid related school closures, developing some of the largest Public-Private Partnerships in the country. He firmly believes in providing our students with understanding, skills and opportunities necessary to thrive in the ever-changing Digital Age.

**Speaker: Prof. Antonio Saravanas, Associate Professor of Information Systems Management, New York University, USA**

Dr. Antonios Saravanos is Clinical Associate Professor of Information Systems at New York University, where he leads the Information Systems Management, Applied Data Analytics and Visualization, and Marketing Analytics majors within the School of Professional Studies. He was recognized for his service and teaching in 2016 and 2019, respectively. Dr. Saravanos holds doctorates from Columbia and Bocconi Universities, as well as master's degrees from the University of Oxford’s Department of Computer Science and the University of Cambridge's Judge Business School. As a senior member of the ACM, his research centers on technology adoption, particularly focusing on the warm-glow phenomenon.

**Speaker: Hon. Dr. Eliamani Isaya Laltaika, Judge, High Court of Tanzania/Adjunct Faculty Member, University of Iringa (UoI), Faculty of Law**


Highly skilled trainer. Strong research professional with a Doctorate in Law focused in Intellectual Property from University of Bayreuth, Germany in association with the Max Plank Institute for Intellectual Property and Innovation Munich.

**Other background info:**

A few weeks ago, UNU and UNESCO co-organized a webinar on GenAI on education and research in the UNU GenAI Webinar Series. UNU Rector and UNESCO ADG on Education spoke at the webinar. [https://unu.edu/macau/event/unesco-unu-webinar-generative-ai-and-education](https://unu.edu/macau/event/unesco-unu-webinar-generative-ai-and-education)