UNIVERSITIES’ ROLE IN ARTIFICIAL INTELLIGENCE (AI) INNOVATION ECOSYSTEMS

PROGRAMME

DRAFT

Organised By

In Partnership with

Asia-Europe Foundation

Fudan University

APRU
### Programme Overview

#### Synchronous Live Group Sessions

**Week 1**

**Theme | Welcome, Introductions, Understanding AI**
- Icebreaking
- Exploring the topic with speakers
- Interactive Small Group Work

**Week 2**

**Theme | Universities’ Role in Innovation Ecosystems**
- Guest speakers
- Asia-Europe perspectives
- Interactive Small Group Work

**Week 3**

**Theme | Governing AI Innovation Ecosystems**
- Guest speakers
- Discussion with policy makers
- Interactive Small Group Work

**Week 4**

**Theme | Teaching and Skill Needs of AI Innovation Ecosystems**
- Guest speakers
- Academia/Industry perspectives
- Interactive Small Group Work

**Week 5**

**Theme | Teaching Entrepreneurship for AI Innovation Ecosystems**
- Guest speakers
- Interactive Small Group Work
- Participants’ inputs

**Week 6**

**Theme | Research and Industry Relations in AI Innovation Ecosystems**
- Guest speakers
- Academia/Industry perspectives
- Interactive Small Group Work

**Week 7**

**Theme | Technology Transfer in AI Innovation Ecosystems**
- Guest speakers
- Asia/Europe Good practice exchange
- Interactive Small Group Work

**Week 8**

**Theme | Wrap up and Action Plans**
- Presentation of Action plans
- Discussion on Next Steps

#### Asynchronous

- Understanding how to use the Business Model Canvas for action plans
- First Steps in Developing a Business Model Canvas as Action Plan
- Forum discussions
- Further Development of Action Plan
- Mid-Term review of Action Plans with Facilitators
- Forum discussions
- Further Development of Action Plan
Week 1 Theme | Welcome, Introductions, Understanding AI
Live Session on Thursday, 25 March 2021

8:00-8:15 GMT  Welcome and Introductions
♦ Ms Leonie NAGARAJAN, Director, Education Department, Asia-Europe Foundation (ASEF)
♦ Prof Shen Yi, Director of International Institution of Global Cyberspace Governance, Director of Center for BRICS Studies, Fudan University, China
♦ Dr Christopher TREMEWAN, Secretary General, Association of Pacific Rim Universities (APRU)

8.15-8.45 GMT  Getting to Know Each Other, Introductions by Expert Facilitators
♦ Dr Alex GRECH, Executive Director, The 3CL Foundation, Malta
♦ Mr Stephen J HALL, Senior Lecturer, MSc IT&S Programme Coordinator, Malta College of Arts, Science and Technology (MCAST)

8.45-8.55 GMT  Break

8:55 – 9:30 GMT  AI Origins, AI Now, AI in the Future
This session will provide participants with an overview of Artificial Intelligence focusing on perspectives from academia and insider views from industry. Presentations showcasing the history of artificial intelligence, how it’s being applied to everyday life and the rapid changes that will witness its evolution in the foreseeable future.

Academic perspective
♦ Dr Wayne HOLMES, Lecturer on Learning Sciences and Innovation, Institute of Education, University College London; UNESCO Consultant on AI and Education

A New Generation of AI
♦ Prof Wei LIN, School of Mathematical Sciences and Research Institute of Intelligent Complex Systems, Fudan University, China

9.30-10.00 GMT  Interactive Group Tasks
Facilitator-led breakout rooms - Participants discuss their own definition of AI and how it can be applied to their university and local community. This exercise will contribute towards the creation of the individual action plan and participant’s Business Model Canvas.

Week 2 Theme | Universities’ Role in Innovation Ecosystems
Live Session on Thursday, 1 April 2021

08:00 – 10:00 GMT  This session will focus on innovation ecosystems and how Universities can leverage their position to create and harness their growth. A series of presentations portraying the diversity and cohesion that exists between Asian / European perspectives on how universities work with different actors in ecosystems, their strategies and engagement. Speakers will each present their respective broad perspectives.
Designing efficient innovation ecosystems and strategies:
- Prof WU Libo, Director, Institution of Development Design, Fudan University, China

Asian perspective on the university’s role in ecosystems and strategies:
- Prof Pascale FUNG, Director, Center for AI Research (CAiRE), Hong Kong University of Science & Technology (HKUST)

European perspective on the university’s role in ecosystems and strategies
- Mr Thomas JØRGENSEN, Senior Policy Coordinator at the European University Association (EUA), Belgium

Presentations will be followed by Facilitator-led breakout rooms. Participants will share & discuss their own ideas of ecosystems and strategies and how it can be applied to their university and local community. This exercise will contribute toward the participant’s action plan and business model canvas.

Week 3 Theme | Governing AI Innovation Ecosystems
Live Session on Thursday, 8 April 2021

08:00 – 10:00 GMT

This session will focus on AI innovation ecosystems and will explore ethical issues and the need for good governance. A series of presentations that address the privacy, ethics and responsibility issues in higher education institutions.

AI, Education and the Public Good
- Professor Jiro KOKURYO, Vice-President for Information Infrastructure, and Shonan-Fujisawa Campus (SFC), Keio University, Japan

The case for regulating the AI sector
- Dr Joshua ELLUL, Chair, Malta Digital Innovation Authority

AI and the Ethics dilemma
- Prof XU YinJing, School of Philosophy, Fudan University, China

Presentations will be followed by Facilitator-led breakout rooms. This exercise will contribute toward the participant’s action plan, to the BMC and preparation for the following week’s session.

Week 4 Theme | Teaching and Skill Needs of AI Innovation Ecosystems
Thursday, 15 April 2021 | Live Session

08:00 – 10:00 GMT

The theme for this week will expand the outlook on AI Innovation Ecosystems by exploring the Teaching perspective. This week’s presentations will focus on the roles that universities need to tackle to educate tomorrow’s AI experts, the extracurricular programmes and skills needed. Both academic and industrial perspectives will be presented to yield a holistic understanding of the requirements.

Bridging the Skills Gap in Europe: an Academic perspective
- Dr Aleksandra PRZEGALIŃSKA-SKIERKOWSKA, Vice-Rector Responsible for International Cooperation and ESR, Kozminski University, Poland

Bridging the Skills Gap in Europe: an Industry perspective
- Prof Dr Dr Christian WERNER, Chief Executive Officer, University of Applied
Management, Germany

**Bridging the Skills Gap in Asia: an Academic perspective**
- Prof Wei ZHONGYU, Professor of School of Big Data, Fudan University

**Bridging the Skills Gap in Asia: an Industry perspective**
- Mr XU YongJiang, Vice President for Corporate AI Industry Development, Huawei Technologies Co. Ltd

Presentations will be followed by Facilitator-led breakout rooms, exploring the skills sets required to boost AI innovation ecosystems. A collaborative skill map will be used to detail this thinking. This exercise will contribute toward the participant’s action plan and business model canvas.

**Week 5 | Teaching Entrepreneurship for AI Innovation Ecosystems**
**Thursday, 22 April 2021 | Live Session**

08:00 – 10:00 GMT

Building on last week’s session the theme for this week will further expand the outlook on AI Innovation Ecosystems by exploring the Entrepreneurial perspective. Focusing on the entrepreneurship skills that are taught to STEM students, this session will assess and seek ways of bridging the gap and overcome the challenges that STEM students experience in bringing their innovative ideas to market.

**Can entrepreneurial skills be taught?**
- Dr Rajiv Vaid BASAIAWMOIT, Head of Sci-tech Innovation & Entrepreneurship, Aarhus University, Denmark

**How incubators in Asia support the nascent AI sector**
- Dr Alex LIN, Interim Chief Executive Office, NTUitive, Innovation and Enterprise (I&E) Company of Nanyang Technological University, Singapore (NTU Singapore) (tbc)

Presentations will be followed by Facilitator-led breakout rooms. This exercise will contribute toward the participant’s action plan.

Also during this week each participant will report in a very brief form on the progress of their action plans and share their BMC and identify their unique organisational barriers to implementation. The participants BMC’s will be updated to show how these activities can be enhanced.

**Week 6 | Research and Industry Relations in AI Innovation Ecosystems**
**Thursday, 29 April 2021 | Live Session**

08:00 – 10:00 GMT

This session presents the participants with the challenges of facilitating the transfer of knowledge. This series of presentations looks at the need for the transfer of research and technology knowledge from academia to industry across Europe and Asia. Good practice methods are also showcased.

**Bridging Universities to the Innovation Needs of Industry**
- Mr Arno MEERMAN, CEO & Founder, University Industry Innovation Network, The Netherlands
**Case study & Good Practices in AI: an Asian Perspective**

- Mr ZHU Shiqiang, Director, Zhejiang Lab, Artificial Intelligence Town; Vice-President of Zhejiang University, China

**Women, Emerging Technologies and the Digital Soul**

- Dr Monique CALISTI, CEO of Martel Innovate; Coordinator of the Coordinator of the European Next Generation Internet of Things project, Switzerland

Presentations will be followed by Facilitator-led breakout rooms. Participants will reflect upon the practices employed by their own university and assess their effectiveness against the good practices presented. Participants would include bespoke methods into their BMC.

**Week 7 | Technology Transfer in AI Innovation Ecosystems**

*Thursday, 6 May 2021 | Live Session*

08:00 – 10:00 GMT

Building on last week’s session the theme for this week will further expand on challenges of facilitating the transfer of knowledge. This series of presentations looks at the need for the transfer of research and technology knowledge from academia to industry across Europe and Asia. Good practice methods are also showcased.

**Bridging Universities to the Innovation Needs of Industry**

- Prof CHEN Tsuhan, Deputy President (Research and Technology) and Distinguished Professor, National University of Singapore (NUS) (tbc)

**Case study & Good Practices from a European perspective**

- Dr Joana RESENDE, Pro-Rector - Strategic Planning, Entrepreneurship and Knowledge Transfer, CEO of UPTEC – Science and Technology Park of University of Porto, Portugal

**Cyber security in Academic institutions**

- Dr John C MALLERY, Research Scientist, MIT Computer Science & Artificial Intelligence Laboratory, USA (tbc)

**Case Study on Working with Cyber Security Industry**

- Dr Shen YI, International Institution of Global Cyberspace Governance, Fudan University, China

Presentations will be followed by Facilitator-led breakout rooms. Participants will reflect upon the practices employed by their own university and assess their effectiveness against the good practices presented. Participants would include bespoke methods into their BMC.

**Week 8 | Summary and Wrap Up**

*Thursday, 13 May 2021 | Live Session*

08:00 – 10:00 GMT

Presentation of action plans, Reflections, Summary, Moving Forward

**END OF PROGRAMME**