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Department of Management Studies,
Indian Institute of Technology Delhi

Opportunity for C2C Partnership
<http://www.bic-fimedia.eu/>

About

EU-India FI-MEDIA project, funded by the Delegation of the EU to India based in New Delhi, is facilitating an EU – India Cluster to Cluster (C2C) Partnership, comprised of professionals from the AI & IoT domain – the researchers, startups, SMEs, Corporate, automation companies, freelancers, AI & IoT enthusiasts. This C2C partnership workshop is a follow up to the already started EU-India IoT C2C partnership and a resulting action from the Roundtable on **Artificial Intelligence for Public Policy** hosted at IIT Delhi, on September, 1st, 2018.

The C2C partnership on AI-IoT will have a workshop to discuss the important upcoming need for research and innovation and identify the necessary stakeholders in both the EU and India for the C2C.

Agenda:

- Identify drivers of growth for the AI-IoT technologies from the human perspective;
- Readiness of EU & India society/ markets for acceptance of AI-IoT systems;
- Challenges associated with AI and IoT on their own and the integration of AI-IoT that can be dealt with on an international level;
- AI-IoT integrated systems & solutions that could potentially address the challenges;
- Practical implications of AI-IoT solutions for the society – enterprise, other organizations, groups & people;
- The impact of AI-IoT solutions on business and society: automation, safety, and regulation;
- Gaps that need to be urgently addressed by EU – India cooperation to address the Challenges of AI, IoT, and AI-IoT integration taking into account human values
- Key technology and business trends shaping the evolution of the integrated AI-IoT market;
- Key emerging research & business opportunities in the integrated IoT- AI market;
- Identifying how the technology and policy stakeholders can work together effectively;
- Identifying key stakeholders, including initiatives and platforms in India and EU with mutual interests in AI-IoT (e.g. Next Generation Internet (NGI), NEM Technology Platform, CII, etc.
- Identifying programmes for funding international Research and Innovation in EU and India.

Global Approach & Thought Process [This part needs to have more views from EU/ EU states (and India, if possible) as well and may drop quotes/ approaches from Mr Putin, China etc. Or instead of “Quotes” only approaches & strategies, whatever known, published or otherwise, be cited]

- Whoever becomes the leader in this sphere will become the ruler of the world - **Vladimir Putin, on AI**
- **White House (US Govt)** released a report titled *Preparing for the Future of Artificial Intelligence* expounding impact of AI across multiple industries. It has assured the industry a hands off approach to foster AI
- **China’s Next Generation Artificial Intelligence Development Plan** issued in July 2017 with the goal of becoming a global innovation center by 2030. China aims at advanced manufacturing, integration of internet, big data and AI with the real economy; an action plan for AI for 2018-20 as a complement to Made in China 2025 strategy
- **ITU of UN held the AI for Good Global Summit** in June 2017 where ethical, technical, societal, political issues along with dialogue on promotion and co-operation for AI innovation were discussed.

Alarms!

Andrus Ansip, Vice-President of the European Commission at the launch of 1.5 billion euros spending in AI, said, “Just as the steam engine and electricity did in the past, AI is transforming our world. Today, we are giving a boost to researchers so that they can develop the next generation of AI technologies and applications, and to companies, so that they can embrace and incorporate them.”

Stephen Hawking warns, “... the development of full artificial intelligence could spell the end of the human race. Once humans develop full A.I., it will take off on its own and redesign itself at an ever-increasing rate ... Humans, who are limited by slow biological evolution, couldn’t compete and would be superseded.”

Tesla CEO, **Elon Musk**, “I think we should be very careful about AI. If I were to guess what our greatest existential threat is, I’d say it’s probably that. With artificial intelligence we are summoning the demon.”

Last year, Musk, Hawking, Armstrong and other scientist and entrepreneurs **signed an open letter**, acknowledging high potential of AI, but warns that research into the rewards has to be matched with an effort to avoid its potential for serious damage.

Challenges already addressed at the September, 2018 roundtable that can be revisited with EU-India cooperation:

- Policies to ensure exclusion of bias in machine learning processes in AI-IoT;
- Humanity Policies for behaviour and interaction of man-machine and IoT;
- Inequality Policies for sharing any wealth created by use of AI-IoT;
- Robot rights Policies in future to address issue of humane treatment of machines having human or animal cognition;
- Safeguard Policies to foresee and avoid colossal mistakes in use of machine learning-IoT data collection;
- Safety Policies to AI-IoT tools and systems safe from enemies;
- Singularity Policies to ensure humans stay in control of any complex intelligent systems;
- Unemployment Policies for accommodating people displaced by use of AI-IoT;
- Unintended consequences - policies to pre-empt and create barriers to protect mankind from accidental catastrophe;
- Ensuring AI-IoT systems are designed and developed to respect human values and rights, including fairness, transparency, accountability, auditability, right to

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Please register for participation

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