

CAIDG's World-First in Researching AI and Big Data Regulation

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Sustaining Community -Centered AI

Modelled on the Stanford HAI (Human-centered artificial intelligence <https://hai.stanford.edu/>) this new research, policy and community outreach initiative builds on CAIDG's rich experience in target topics of public interest:

- trustworthy AI,
- grass-roots ethics,
- responsible COVID surveillance tech,
- fair platform economies,
- safe AVs,
- open finance,
- care robotics,
- citizen-centric smart cities,
- people-focused personal data,
- to roll out a suite of cutting edge projects combining AI and communities in ways that will see Singapore become a global leader in the race for Human Centred AI. In post COVID recovery it is essential that we look at where AI and BIG Data can bring things back better.

For more information, contact caidg@smu.edu.sg

Professor
Findlay
explains
why this
new
initiative
was so
significant

‘For years now we have heard discussion about principled design, ethical AI, responsible data management and more recently, trusted technology. Much of this work has missed the mark when it comes to dealing with what people think is important. Many in Singapore society remain worried about the future of workplaces and jobs, the safety of driverless vehicles, dangers posed by robotics, how to protect sensitive health data and what the next generation of cities will be like to live in. This means up until now research is not speaking to the central concern – how can people relate to new technology so that life is better, safer and more sustainable. Current experience with building trust and ensuring accountability have clearly shown that public confidence in AI depends on social concerns and risks. Thus, CAIDG has taken on the challenge to listen to these fears and work towards solutions. The central plank in this new research initiative is to locate AI and Big Data within communities so that AI is no longer seen as the problem but as the solution to today’s and tomorrow’s sustainability questions.’

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Sustaining Community- Centered AI has 5 Research Orbits

1. **Kampong ethics** – *locating AI in communities (social, industrial, commercial) so that humans and machines are linked by relationships of trust where technology essentially contributes to public good.*
2. **Smart Cities and AI/Big Data** – *Singapore's Smart Nation policy has a citizen-centric core. Consistent with this commitment is the need to position AI and Big data alongside inhabitants to universally improve life experience*
3. **Digital Self-determination** – *in a world drowning in data it is time to ensure that data subjects have management of their data in safe data spaces*
4. **Open finance** – *the days of paper money are over. Along with digital finance in every aspect of commercial activity it is critical that open finance bring the ecosystem closer to true customer centricity.*
5. **Positive Surveillance** – *COVID-19 has introduced us all into a new normal where our movement, association and all aspects of daily life are monitored. How can we be confident that surveillance and privacy are not in conflict?*