AI: Intelligent Machines, Smart Policies

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The Fuel of IEEE

Advancing Technology for the Benefit of Humanity

- Forward-thinking technology professionals coming together ...

- Not only to foster technological advances but to take responsibility of the context and impact of technology evolution

  to discover the next technological innovation, to develop international standards, to form communities, to share research and educate, in the spirit of collaboration.
# IEEE at a Glance

*Advancing Technology for the Benefit of Humanity*

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<th><strong>Global Reach</strong></th>
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<td>423,000+ Members</td>
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IEEE at a Glance
A picture can transform

Sonja Knips, 1898, 24 years old

Sonja Knips, 1908, 34 years old
How to make sure AI is providing the right picture?

- Quality of data essential, should reflect values
  - Individual (personal data) – user-controlled
  - Collective (data set) – inclusive, diverse, not biased …
  - Curation
  - Access to diverse data sources - FRAND licensing ?
  - Exchange – formats?

- Consider standardization and certification
  - particularly for security relevant systems

- Intellectual property?

- Support R&D
  - AI still a “black box”
Integrated human-centric approach

- Digital Inclusion
- Digital Identity
- Ethics
- Autonomous Systems
- Artificial Intelligence

Trust
Prioritize Triple-Bottom Line, Well-Being Economics

Source: CSR Ambassadors
The IEEE P7000™ Standards Series

*Personal Data and Economic Well-Being Focus*

**IEEE P7002™** - Data Privacy Process
**IEEE P7003™** - Algorithmic Bias Considerations
**IEEE P7004™** - Standard on Child and Student Data Governance
**IEEE P7005™** - Standard on Employer Data Governance
**IEEE P7006™** - Standard on Personal Data AI Agent Working Group
**IEEE P7010™** - Wellbeing Metrics Standard for Ethical AI/AS
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