

The EU AI Act and the future of emotion recognition in Neuroergonomics

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Abstract / Short description

Recent EU legislation ([Artificial Intelligence Act](#)) that was designed to protect citizens from adverse effects of AI, will likely have a profound impact on the neuroergonomics community. Notably, this legislation prohibits emotion recognition in the workplace and educational institutions. While there are some exemptions, this legislation forbids many envisioned applications, such as those that smooth human-machine interaction through monitoring emotional responses.

In the workshop we will 1) provide information about the act, and 2) form our ideas about whether and how we could ensure applications of emotion recognition that are responsible and meet the worries of society.

In line with these goals, we split the workshop in two parts. In the 'Background and perspectives' part, we will provide information about the legislation. Additionally, stakeholders and experts from industry, academia, society and ethics around innovation will give their perspective. In the 'Discussion' part, we break out in groups to discuss, using concrete use cases. The outcomes of the workshop will be the start of an opinion paper.

Keywords

Ethics, legislation, application, affective computing, AI

Prerequisites

None, but most relevant for people working in emotion recognition, affective computing or passive BCI.

Tentative Schedule for a 2 to 4-hour session - Monday, July 8th pm

Workshop/Tutorial – chair: Mathias Vukelic and Anne-Marie Brouwer	
Part 1: Background and perspectives	
14:00	Welcome and introduction
14:05	The AI Act and emotion recognition systems
14:50	Perspective from industry
15:05	Perspective from academia
15:20	Perspective from society
15:35	Ethics around innovation
15:55	Break
Part 2: Discussion	
16:15	Introduction
16:20	Break out
17:00	Conclusions by break-out groups, and next steps
17:45	End

Speakers

- Andreas Hauselmann (Center for Law and Digital Technologies at Leiden University): *The AI Act and emotion recognition systems*
- Lucas Noldus (Radboud University, Nijmegen and Noldus Information Technology BV, Wageningen, The Netherlands): *Perspective from industry*
- Stephen Fairclough (School of Natural Sciences and Psychology, Liverpool John Moores University, UK): *Perspective from academia*
- Nicolas Blanc (National Delegate for Digital Issues for the CFE-CGC - a French representative trade union): *Perspective from society*
- Giulio Mecacci (Donders Institute for Brain, Cognition and Behaviour, Radboud University, Nijmegen, The Netherlands): *Ethics around innovation*