

Artificial Intelligence and Emotion Recognition: saving pain

Valentina Franzoni

Department of Mathematics and Computer Science, University of Perugia

Artificial intelligence and emotion recognition is an area of research that has gained significant attention in recent years. The ability of AI to recognise the various expressions of emotion, including pain, has the potential to revolutionise the healthcare industry. Leveraging the semantics of text, images, and sounds from individuals or crowds, is a promising approach to achieving accurate emotion recognition. This allows the development of multimedia classification systems that can identify fear and pain in people who are unable to express it themselves, such as bedridden patients, disabled people, babies, and even animals. Saving from pain, but also pain that saves, thanks to systems that can alert caregivers in life-saving situations. This talk will discuss the latest advances in AI and emotion recognition, with a focus on the potential applications for saving pain in the care of premature babies.