

Academia and ethical AI

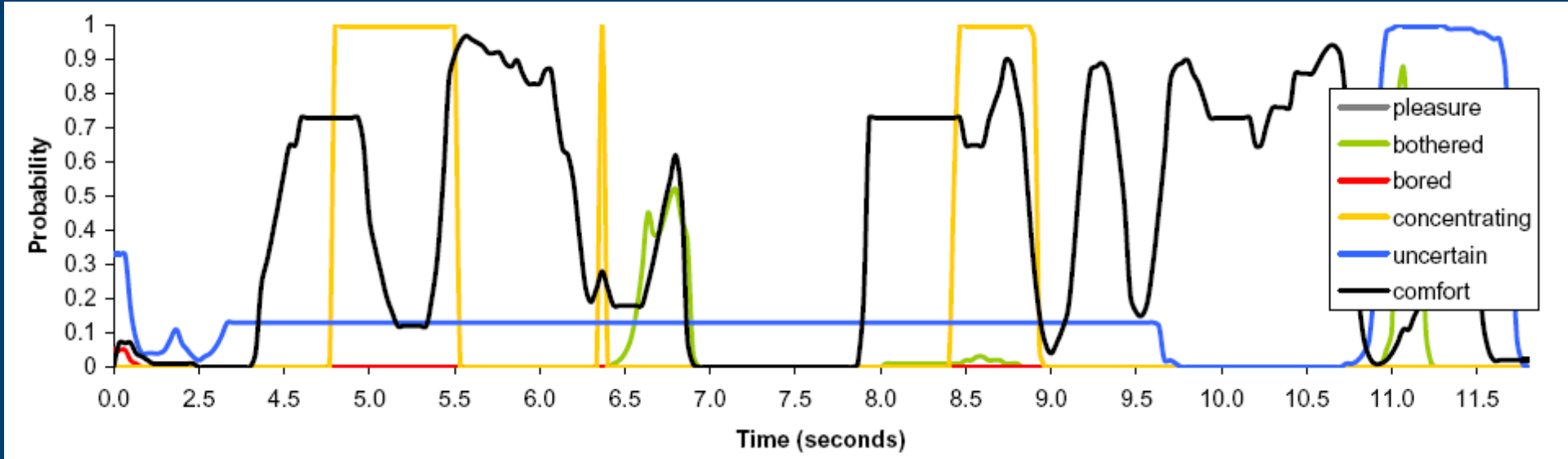
Peter Robinson
University of Cambridge
Department of Computer Science & Technology

Emotion AI Summit
Boston
15 October 2019

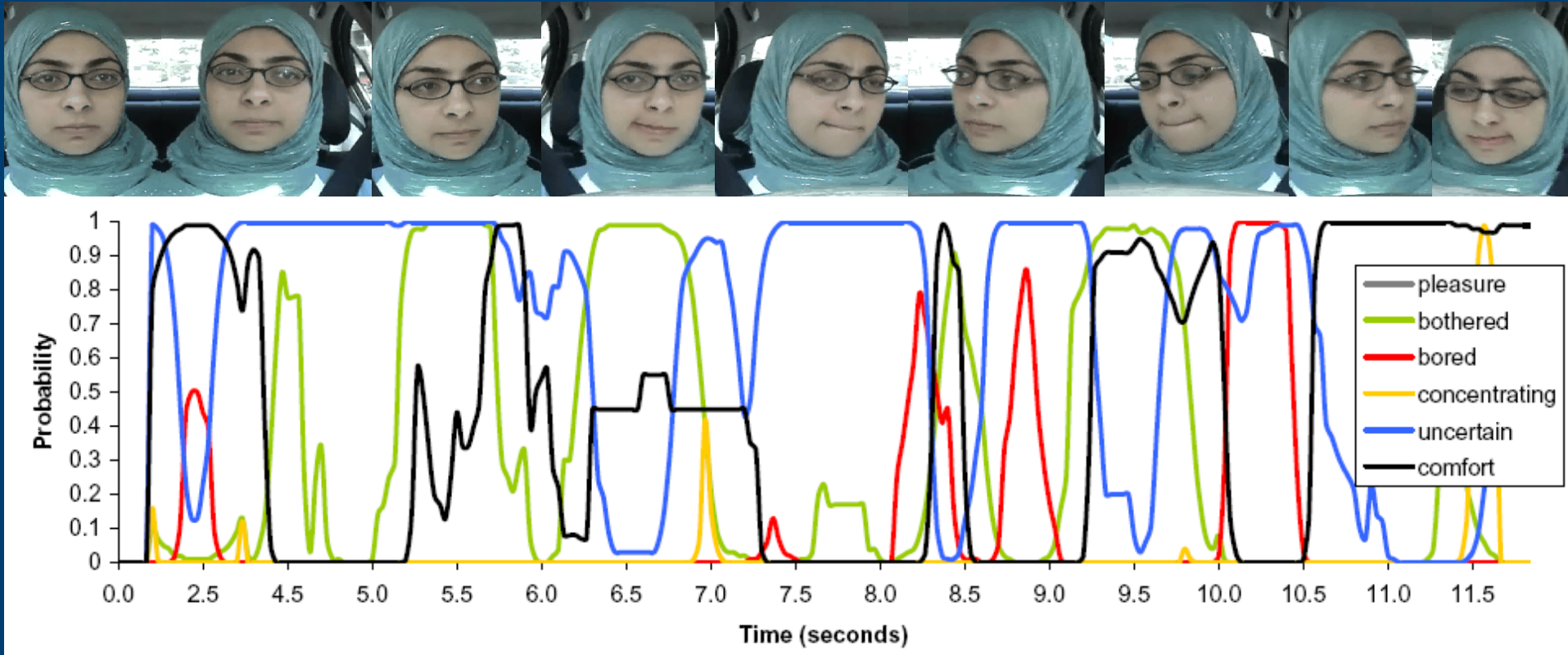


Domestic video camera mounted on the dashboard of Dr el Kaliouby's car driving in Cairo.

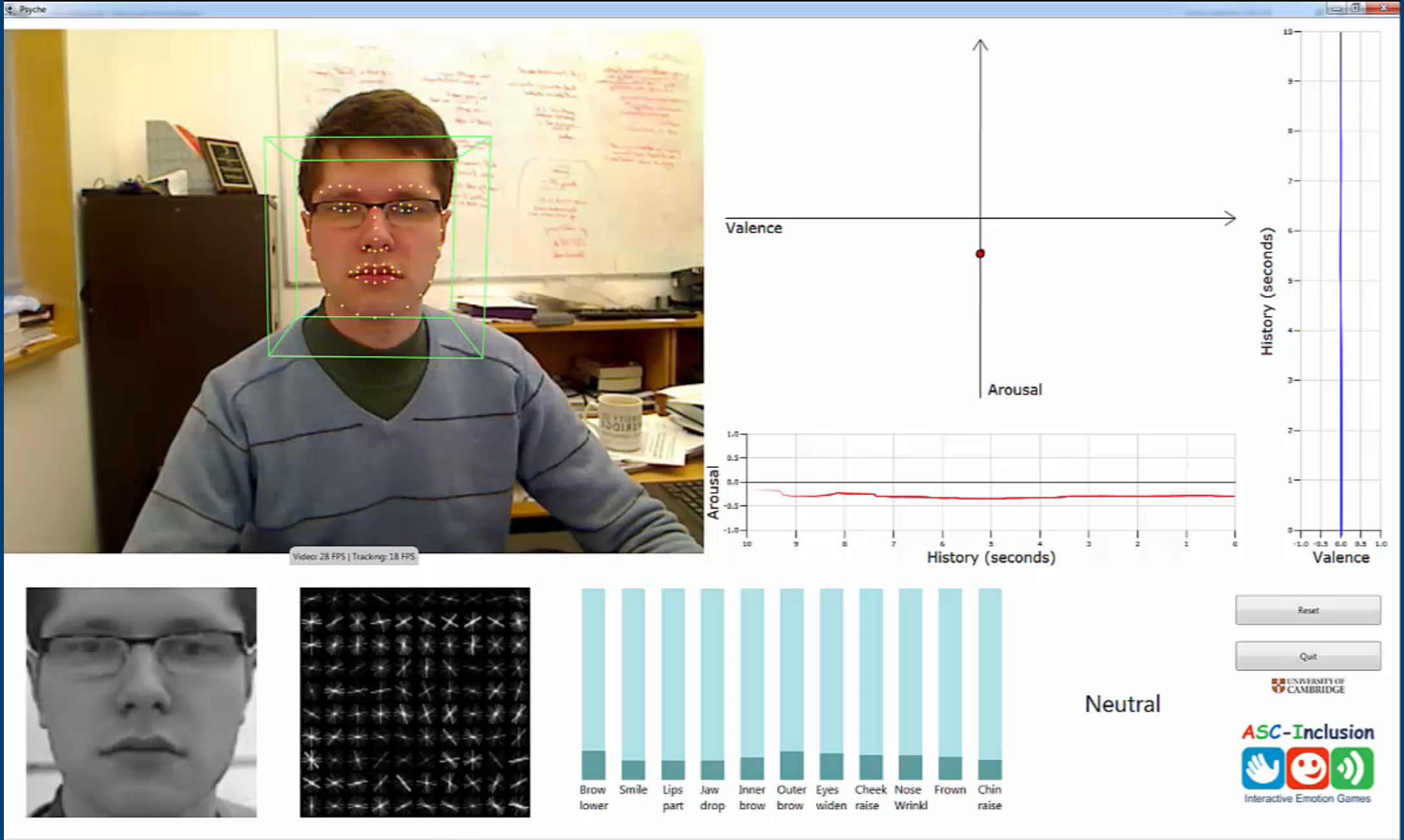
This gave surprisingly good images, although the camera does impede the driver's view.

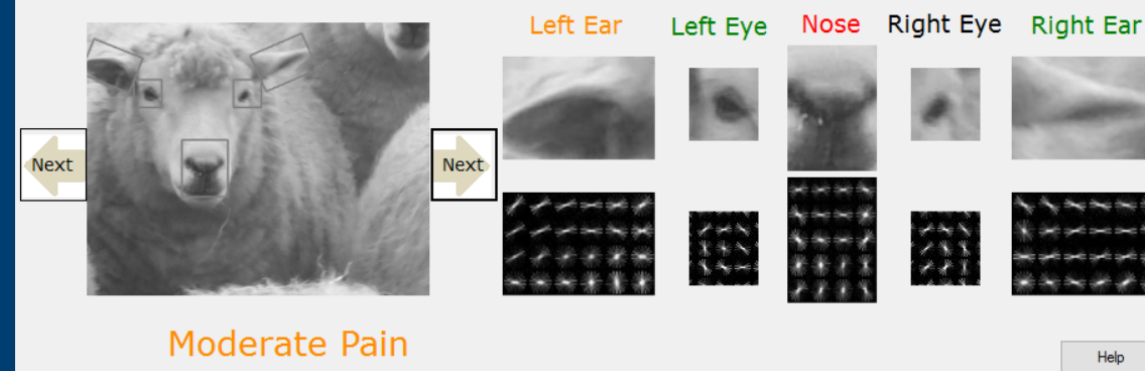
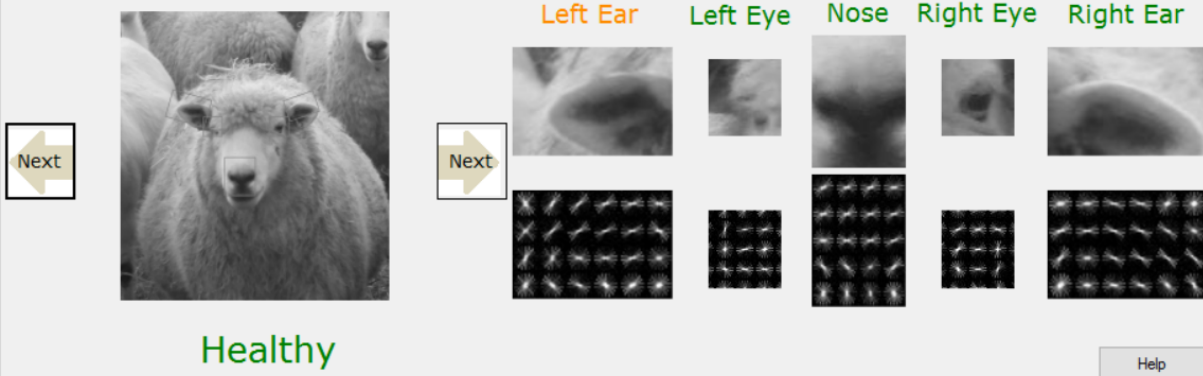


Analysis from the Cairo data when the driver was talking on a mobile phone. The dominant inference is comfort (black).



Analysis video from the Cairo data when the driver was lost. The dominant inference is uncertain (blue), with bothered (green) also showing strongly.









Stephen Hawking, Elon Musk, and Bill Gates Warn About Artificial Intelligence

Intelligent robot that 'remembers and learns' could be scrapped after escaping a lab for a second time

AI HAS ARRIVED, AND THAT REALLY WORRIES THE WORLD'S BRIGHTEST MINDS

Are the robots about to rise? Google's new director of engineering thinks so...

Will robots take our jobs and overpower us? Bill Gates has some concerns

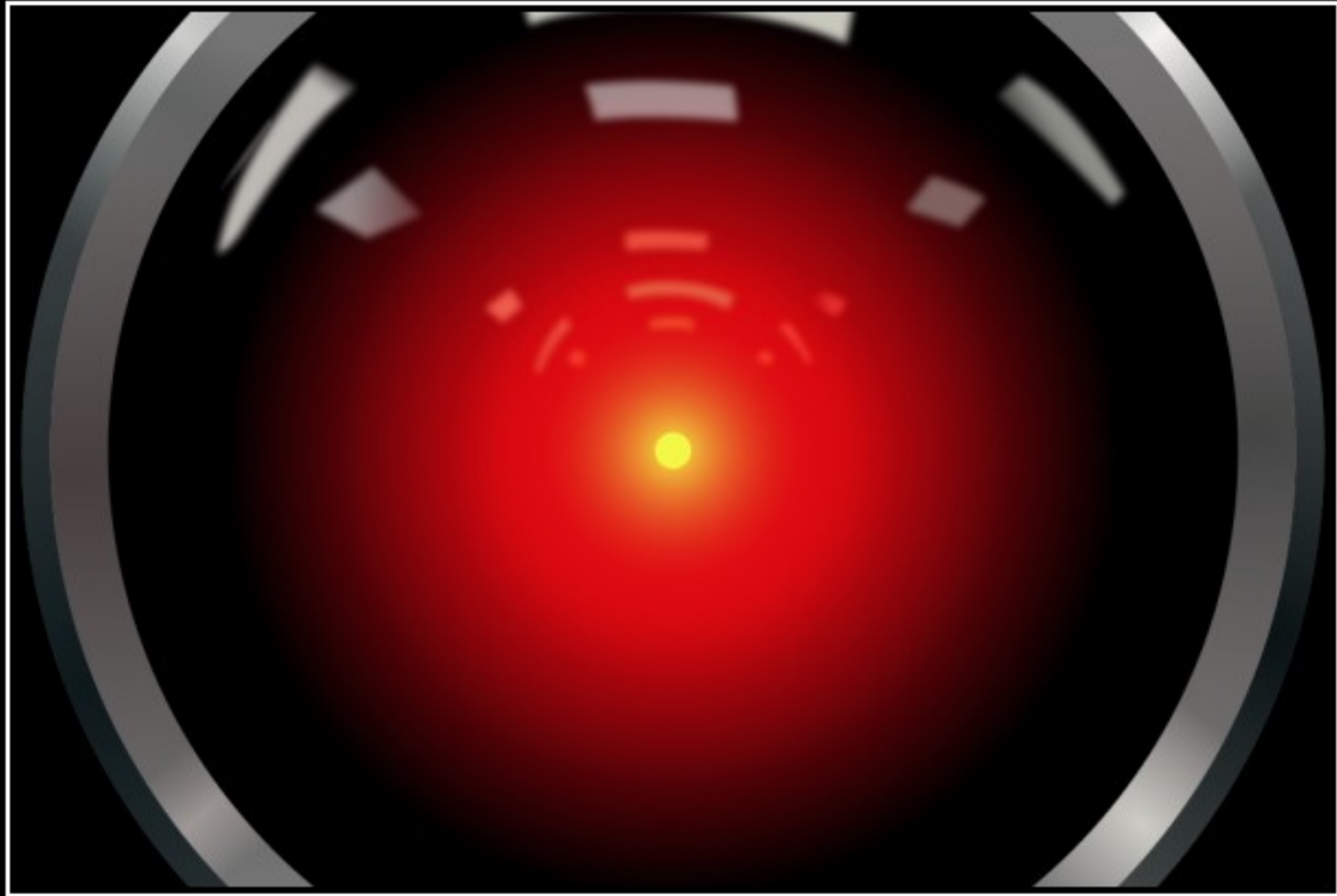
Robots hold first beauty contest for humans

Prof Stephen Hawking Warns, Robots Could Evolve Faster Than Human Race and Could Be Hard to Stop



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I'M SORRY, DAVE.

I'm afraid I can't do that.



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Ethics and professional practice

- Concerns
 - Power of information
 - Privacy of individuals
 - Effects on employment and job satisfaction
 - Nature of a profession
- Distinguish
 - Science and technology
 - Body of knowledge and activity
 - Research goals and practical motives
 - Intended effects and actual outcomes

Professional code of conduct

- Characteristics of a profession
 - Generality – anyone might require services
 - Importance – services matter
 - Learned – requires self-government
- British Computer Society
 - Public interest
 - Competence and integrity
 - Duty to relevant authority
 - Duty to the profession
- American Association for Computing Machinery
 - Similar if more verbose

