

AI & Human Vulnerability
Getting Intimate with Fear

Dr. M. Birna van Riemsdijk, EEMCS, TU Delft/UTwente @mbirna

BANKERS OPTIMISTIC, TO CONTINUE AID

### Elon Musk says we need to regulate AI before it becomes a danger to humanity

by James Vincent | @jjvincent | Jul 17, 2017, 4:43am EDT

Pilot Lands Western Express Ship at Albuquerque After

Science > Artificial intelligence

#### **Artificial intelligence is a bigger threat than climate change** or TERRORISM, expert claims

Speaking at a briefing in London ahead of the British Science Festival, Professor Jim Al-Khalili warned that Al is a bigger concern than climate change, and even terrorism

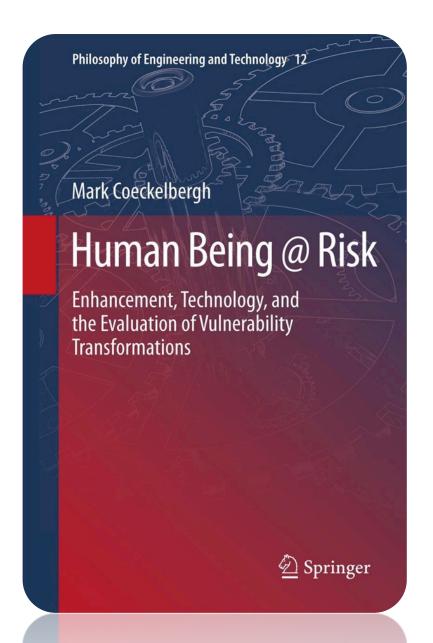
THE BLOG 04/09/2015 12:32 pm ET | Updated Jun 09, 2015

### Why Stephen Hawking and Bill Gates Are **Terrified of Artificial Intelligence**



the Modest Problem

of Death



"We are vulnerable by nature, but we are also vulnerabilityaverse by nature."

- Coeckelbergh, 2013



Vulnerability is also the birthplace of meaningful human experiences – Dr. Brené Brown

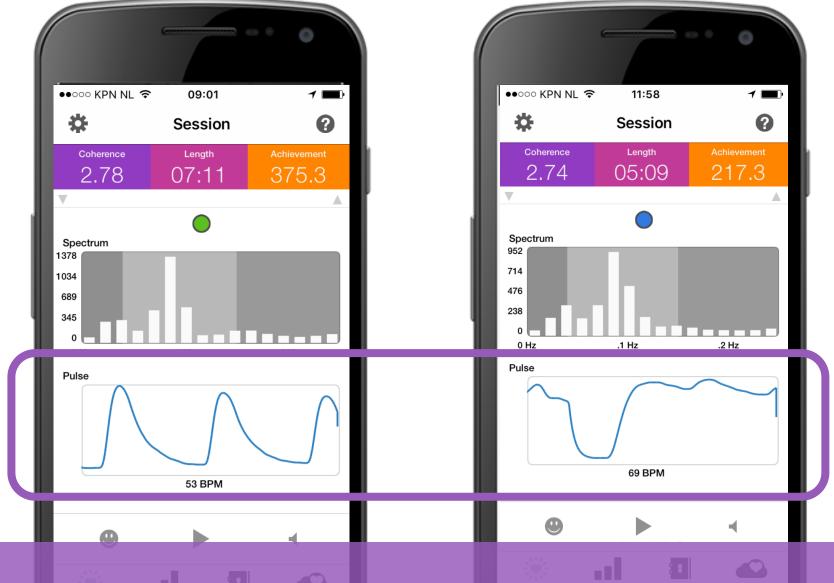






# Put human vulnerability at the center of development of digital technologies





# Physical & Personal Vulnerabilities



# Social Vulnerabilities



#### professor





View saved SafeSearch -

college

teaching















































## Societal Vulnerabilities



Put human vulnerability center stage in developing AI & Intimate Technologies

- Vulnerability analysis in design
- Al for vulnerability-awareness at run-time
- Diverse teams & Regulation