Prof. Frank Koppens
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"Nano-lego for light"

Wednesday, 31 October 2018
12:00 refreshments
12:30 lecture

Wang Auditorium
The Dalia Maydan Building
Faculty of Materials Science and Engineering
We discuss 2D-material heterostructures as nano-lego for light. In particular, we will show nano-optoelectronic devices that demonstrate the exciting properties of 2D polaritons, such as plasmon, phonon and exciton polaritons. We challenge the limits of quantum light-matter interactions and study the fundamental limits of optical field confinement, down to the length-scale of single atoms. Some device applications, such as detectors for infrared and THz light will also be shown.

References