

**LICT – LForCe WORKSHOP****ICT TOOLS AND SOLUTIONS FOR FOOD QUALITY AND HEALTHY NUTRITION**

NOVEMBER 21 2019, KU LEUVEN, AULA ARENBERGKASTEEL, KASTEELPARK ARENBERG 1, HEVERLEE

A healthy and enjoyable diet with high quality food. To what extent technology, and especially ICT tools and solutions, can help us to get there more easily?

This exactly is what we will focus on in this workshop. We will shed light on some of the research and innovation activities at KU Leuven at the ICT-agrifood interface with a specific focus on tools and solutions for guaranteeing food quality and guiding people to healthy nutrition. It is also with pride that we welcome three keynote speakers from the agrifood industry giving their views on the current impact and future potential of ICT for their business. And of course there will be plenty of time for networking during the coffee break and closing reception.

**PROGRAMME**

12:30: Registration and light sandwich lunch

13:00: Welcome and introduction

**Part 1: Food Quality**13:10: "Sensor technology for food quality analysis and control", *Dr. Bart De Ketelaere (KU Leuven, MeBioS)*13:30: "Computer vision for food detection", *Prof. Toon Goedemé (KU Leuven, EAVISE)*13:50: Keynote: "The future of crop production: the main challenges of agricultural robotics and potential solutions", *Tom Coen (Octinion)*

14:20: Selection of KU Leuven PhD Research:

"Non-destructive detection of internal quality defects via a combination of X-ray and deep learning",  
*Tim Van De Looverbosch (KU Leuven, MeBioS)*

"Optiflux, dynamic storage technique for fruits and vegetables", *Dr. Niels Bessemans (KU Leuven, MeBioS)*

14:50: Keynote: "FreshCloud platform, a next-gen solution for end-to-end visibility through fruit storage and distribution", *Nathalie Gocha (Agrofresh)*

15:20: Coffee break

**Part 2: Healthy Nutrition**15:50: "Food intake monitoring technology", *Prof. Bart Vanrumste (KU Leuven, eMedia Lab)*

16:10: "Digital coaching towards healthy nutrition":

"Recommender techniques, nudging & visualisations for promoting healthy food intake", *Prof. Katrien Verbert (KU Leuven, HCI), Prof. Vero Vanden Abeele (KU Leuven, eMedia Lab)*

"A mobile food literacy intervention for couples trying to conceive", *Tessy Boedt (KU Leuven, Clinical and Experimental Endocrinology)*

16:45: Keynote: "Alberts' roadmap for AI personalized food recommenders and connected food service providers", *Glenn Mathijssen (Alberts)*

17:15 – 18:00: Networking reception

