





CONTROL OF MOBILE UNITS IN INDUSTRIAL ENVIRONMENTS

introduction at 13h30

Kris HermusInnovation program manager Flanders, imecFounder & Coordinator Wireless CommunityEli De PoorterProfessor, imec-IDLab-UGent

Coordinator Smart Connectivity IN4.0 Proeftuin



WIRELESS COMMUNITY

WIRELESS COMMUNITY



- technology community
- workshops on innovations in wireless technology
- stimulate innovation in Flanders
- facilitate R&D collaborations
- by sharing knowledge between local academia and industry
- Founded in 2009 by imec







- semiconductor company
- building IP products for WiFi connectivity
- one of the first suppliers of Wi-Fi HaLow™
- contributing member of Wi-Fi Alliance®
- founded in 2010, headquartered in Eindhoven

www.methods2business.com

ACADEMIA











Karel de Grote Hogeschool

















INNOVATION ORGANIZATIONS

















	Non-Members	Members
Annual fee	-	Companies: 300 EUR Academia: free
Access to workshop	80 ~ 100 EUR per person per workshop	Included (up to 10 employees per workshop)
Access to slides	attended workshop only	all slides of all workshops
Technological advice Partner search	-	Yes
Presentation	-	Yes*
Demo-booth	-	Yes*
Visibility	-	on website + flyer

*depending on availability and in line with topic of the workshops

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DEMONSTRATION DRIVEN INDUSTRY 4.0 INNOVATION

VLAIO PROEFTUIN PROJECTS

EERSTE REEKS PROEFTUINEN (2018-2021)

Budget: 3,5 miljoen euro

- Living lab agrifood 4.0
- Smart maintenance
- Predictive maintenance & Industrial Data Space
- Smart connectivity
- Digitale servitisatie
- Operator ondersteuning
- Smart factories: collaboratieve werkcel 4.0

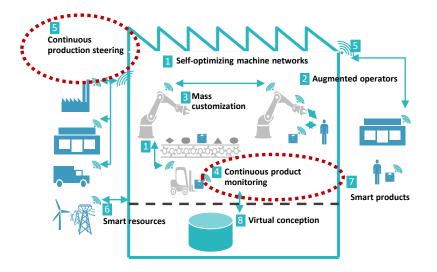
www.vlaio.be/industrie40



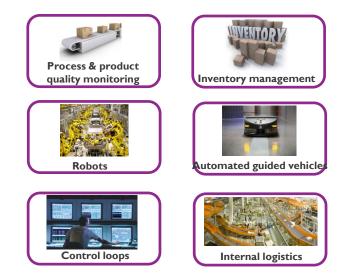


VLAIO LIVING LAB: SMART CONNECTIVITY

Industry 4.0 requires interactions with (and trackability of) all products, machinery & personnel present in the production and distribution process.



Impact of continuous product steering on the operational processes



Example industry 4.0 use cases



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VLAIO LIVING LAB: SMART CONNECTIVITY

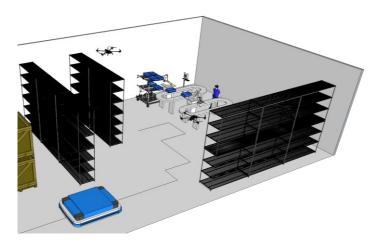
Industry 4.0 requires interactions with (and trackability of) all products, machinery & personnel present in the production and distribution process.

To this end, the living lab combines ICT innovations related to

- Continuous wireless connectivity with static and mobile items
- Location awareness of goods, objects & personnel
- Video based object recognition

Offering:

- Demonstration rooms (Ghent & Leuven)
- Local technology demonstrators (in-situ set-up in realistic conditions)
- Masterclasses (in-depth technology discussions)
- Feasibility studies (valorization & technology)
- Consultancy (design of custom solutions)
- Business plans & valorization studies



Demonstration room: autonomous drone for warehouse inventory management and production inspection



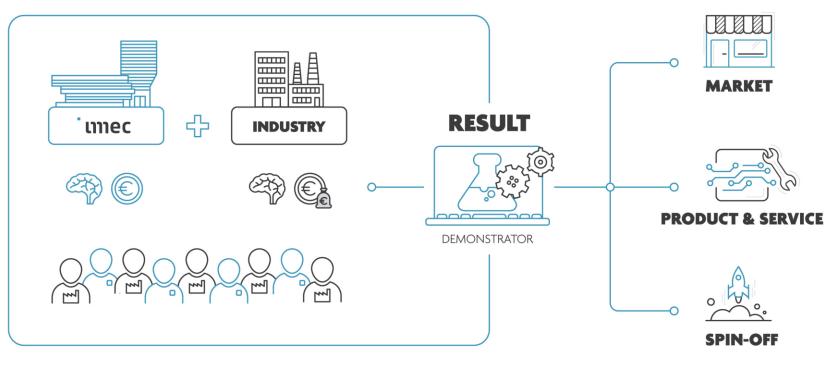
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COLLABORATIVE RESEARCH PROJECTS

INTERDISCIPLINARY COOPERATIVE RESEARCH

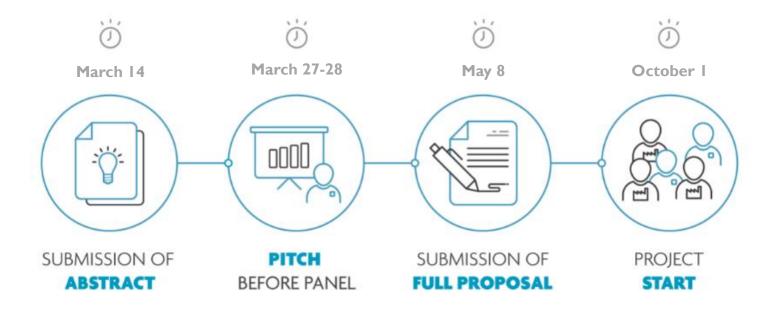
VALORIZATION



https://www.imec-int.com/en/icon icon@imec.be

IMEC.ICON CALL 2018-2

TIMING AND SUBMISSIONS



https://www.imec-int.com/en/icon icon@imec.be

PROGRAMME FOR TODAY

4 TRACKS: ACADEMIC TUTORIALS AND COMPANY TESTIMONIALS AUDITORIUM

Track I Accurate localization



Track 2 Path finding

unec







Track 3 Wireless connectivity



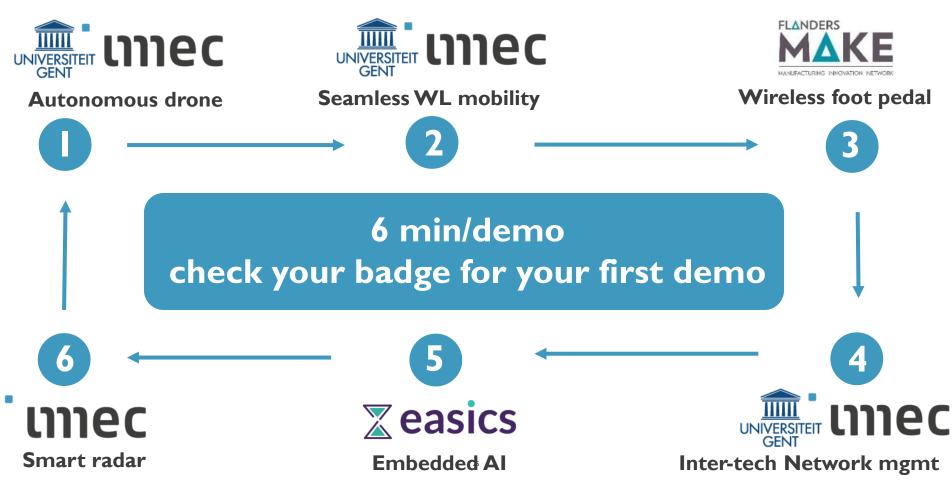
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Track 4 Object recognition





GUIDED DEMO TOUR





Kris.Hermus@imec.be

www.wirelesscommunity.be

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