Day 1

Tuesday, October 3, 2023

08:30 - 09:00  Registration

09:00 - 09:20  Opening Remarks
Dr. Ameenah Farhan, Director General
Kuwait Foundation for the Advancement of Sciences

Prof. Jef Poortmans, Program Director of the PV and Energy Activities
imec/EnergyVille

09:20 - 11:30  Application-Oriented Strategic Drivers of the AI-Activities at imec

Session Chair: Dr. Hanady Abdulsalam

09:20 - 09:40  Preventive Health / Disease Interception and its Link with AI
Marcel Zevenbergen
imec

09:40-10:00  AI for Health in an Age of Bioconvergence
Wouter Van Den Bosch
imec

10:00-10:20  Sustainable Food & Environment and the Role of AI
Marcel Zevenbergen
imec

10:20-10:40  How we can Enhance Cities and Mobility with AI
Jan Adriaenssens
imec

10:40-11:00  Data Spaces and AI: Driving the Data Economy in Sectorial Ecosystems
Tanguy Coenen
imec

11:00-11:30  Q&A

11:30 - 12:00  Break

12:00 - 13:50  Sensing and IOT-systems

Session Chair: Dr. Mohammad Allaho

12:00-12:20  Edge AI & Sensor Fusion: an imec Perspective
Tom De Schepper
imec

12:20-12:40  Smart Energy Services for a Sustainable Society
Matthias Strobbe
imec

12:40-13:00  Embedding Smartness in Batteries
Jeroen Buscher
VITO/EnergyVille

13:00 – 13:30  Q&A

13:30 - 15:30  Lunch / Networking between interested parties, imec and EnergyVille
**Day 2**  
*Wednesday 4th October 2023*

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<tr>
<td>08:30 - 09:00</td>
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<td>09:00 - 09:10</td>
<td>Welcome and Introduction to the Second Day of the Symposium</td>
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| 09:10 - 10:00 | **The Energy Transition**  
**Session Chair: Dr. Bader AlDalali**  
09:10-09:30 Overview of the Collaboration Between Kuwait and imec/EnergyVille on Photovoltaics  
Jef Poortmans  
Imec/EnergyVille  
09:30-10:00 The Energy Transition: Opportunities and Challenges  
Gernt Jan Schaeffer  
EnergyVille   |
| 10:00-10:20  | Q&A                                                                                       |
| 10:20 - 11:15| Overview of the main results of the imec/KU collaboration                               |
|              | **Advanced Si solar cell technology**                                                   |
| 10:20-10:35  | Bringing Si PV-Technology to its Maximum Performance  
Hariharsudan Sivaramakrishnan Radhakrishnan  
Imec/EnergyVille |
| 10:35-11:00  | Heterojunction Devices and their Circuit Modelling  
Moustafa Ghannam  
Kuwait University   |
|              | **Perovskite solar cell technology**                                                     |
| 11:05-11:20  | The Perovskite lab at Kuwait University  
Yaser Abdulraheem  
Kuwait University |
| 11:20-11:40  | Q&A                                                                                       |
| 11:50-12:10  | Break                                                                                     |
| 12:10-12:25  | **Modelling of PV-Systems**  
Arnaud Morlier  
Imec/EnergyVille |
| 12:25-12:40  | Overview of Kuwait Univeristy activities  
Bader AlDalali  
Kuwait University |
| 12:40-13:00  | Q&A                                                                                       |
| 13:00-13:20  | **Concluding Remarks**  
Dr Ameenah Farhan & Prof. Jeff Poortmans                                                   |
| 13:20-15:30  | Lunch / Networking between interested parties, imec and EnergyVille                     |