

Sensors in Agriculture 2025

Tuesday July 15th

PM BST

02:00	Dr Michael Brand	Sensor100	Welcome and introduction
02:10	Dr. Suresh Kaushik	Indian Agricultural Research Institute	Nano-Sensor Technology for Futuristic Smart and Intelligent Agriculture
02:40	Dr Rui Martins	INESC TEC	Intelligent Sensors and Multi-Scaled Agriculture: artificial intelligence and the age of wearables, surrogates and digital twins
03:10	Prof Gerard Verbiest	TU Delft	Monitoring Plants with Ultrasound
03:40	Bas van Eerd	Phenokey	Exploring the value of X-ray CT in agricultural research
04:10	Break		
04:30	Carrol Plummer	Vivent Biosignals	Plant Driven Agriculture – The Next Revolution in Sustainable Food Production
05:00	Najida Irfan	PIEAS	RPA-coupled quick nucleic acid extraction for Cotton Leaf Curl Virus (CLCuV) detection
05:30	Dr Hebat-Allah S. Tohamy	National Research Centre	Fullerenes-Functionalized Cellulosic Hydrogel Biosensor with Bacterial-Turn on Fluorescence Response Derived from Carboxymethyl Cellulose for Intelligent Food Packaging with DFT
06:00	Close of 1st day		Closing remarks

Wednesday July 16th

02:00	Dr Alex Heming	Syngenta	Welcome and introduction
02:10	Prof Fabiana Arduini	University of Rome	Paper-based electrochemical (bio)sensors as smart analytical tools for precision agriculture
02:40	Dr Laura Gonzalez Macia	Imperial College	Real-time monitoring of crops and food using printed sensors
03:10	Jonathan Trotter	Agrii	Increasing Technology Adoption on Farm via Agrii's Digital Technology Farm Network
03:40	Dr David Witmer	Syngenta	SMARTLC: Bringing the lab to the field
04:10	Break		
04:30	Steve Whalley	World Strategic Ventures	Panel Discussion: "End user requirements from technology" [Jonathan Trotter; Dr Adhikari Diganta; Dr M. Gabriela Almeida]
05:30	Prof Katrina Campbell	Queen's University Belfast	Biosensing: Future Challenges and New Perspectives
06:00	Close of 2nd day		

Thursday 17th July

02:00	Dr Michael Brand	Sensor100	Welcome and introduction
02:10	Prof Mohammed Zourob	Faisal University	An integrated and rapid biosensor for the detection of infectious agents
02:40	Dr Pascoe Harvey	Biotangents	Rapid On-Farm Molecular Diagnostics: Empowering Mastitis Treatment Decisions
03:10	Prabir Kumar Kulabhusan	International Iberian Nanotechnology Laboratory	Catalytic Hairpin Assembly-based Point of Need Detection Device for Noroviruses
03:40	Break		
03:50	Dr Tim Gibson	Roboscientific	Sniffing the VOCs – A Practical Route for Livestock Disease Monitoring
04:30	Dr Michael Brand	Sensor100	Applications of Sensor Technology in Farm Animal Welfare: Now and in the Future
05:00	Conference closes		