OCM 2023 Program Sequence

Program March 22, 2023							
Time	Aktion	Autor	Organisation	Titel			
10:00 11:30		Tour Fraunhofer IOSB (op Registration and Snack	,				
12:30		Prof. Dr. Jürgen Beyerer	Fraunhofer IOSB	Opening Ceremony Session 1: Recycling 1			
12:50	Talk	Sabine Schlögl	Montanuniversity Leoben	Monitoring the sorting performance in lightweight packaging waste sorting plants using data of sensor-based sorters			
13:15	Talk	Paul Bäcker	Fraunhofer IOSB	Detecting Tar Contaminated Samples in Road-rubble using Hyperspectral Imaging and Texture Analysis			
13:40		Coffee break					
				Session 2: Food Inspection			
14:00	Talk	Ervienatasia Djaw	Fraunhofer IVV	Method Development for Spatially Resolved Detection of Adulterated Minced Meat			
14:25	Postersession	Marcel Mlynarik	UWE Bristol	Multispectral analysis for the determination of lycopene concentration in tomatoes			
14:35	Talk	Oliver Lischtschenko	Ocean Insight	Rapid classification of pork from different origin by mobile Raman spectroscopy			
15:00	Postersession	Hannah Frank	Cognitive Systems-Uni Tübingen	Self-supervised Pretraining for Hyperspectral Classification of Fruit Ripeness			
15:10	Video Talk	George Nychas	AUA Greece	An overview of implementing Multispectral Imaging coupled with machine learning for the assessment of microbiological quality and authenticity in foods			
15:35	Teams Talk	Fady Mohareb	AUA Greece	Demonstration of EU food identification database			
15:45		Coffee break and Posters	ession				
				Session 3: Sensors 1			
16:15	Talk	Bernd Jähne	IWR-Uni Heidelberg	Thermographic Techniques to Explore Small-Scale Processes at Water Surfaces			
16:40	Talk	Chia-Wei Chen	KIT-IES	Sensitivity enhanced glucose sensing by return-path Mueller matrix ellipsometry			
17:05	Talk	Dennis Hofmann	IUP-Uni Heidelberg	Fluorescence Imaging of Concentration Fields of Dissolved Gases at Water Interfaces			
17:30		Coffee break and Posters	ession				
				Plenary lecture			
17:50		Carsten Lorz	VP Hochschule Weihenstephan- Triesdorf	Cooperation in innovation and education in agriculture and nutrition with Africa			
18:35		End of the first day					
19:30		Change of Location Special Presentation and I	Dinner				

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Time	Aktion	Autor	Organisation	Titel
				Panel discussion
09:00				Requirements on food quality - definition of quality characteristics in their development
10:15		Coffee break		
				Session 4: Algorithm
10:35	Talk	Achim Kehrein	Rhine-Waal University of Applied Sciences	Quick-and-Dirty Computation of Voigt Profiles, Classification of Their Shapes, and Effective Determination of the Shape Parameter
11:00	Talk	Claudia Beleites	Julius Kühn Institute	Towards better Model Optimization: An Experimental Design Perspective on Cross-Validation
11:25	Talk	Andreas Polywka	Fraunhofer IOSB	Modeling of the effective reflectance of droplet–covered surfaces
11:50		Lunch break		
				Session 5: Sensors 2
12:50	Talk	Sven Leuchs	Fraunhofer FHR	Imaging radar systems for non-destructive material testing. An overview of the state of the art, the limitations and the opportunities of radar technology
13:15	Talk	Simon Amann	ITO-Uni Stuttgart	Material Characterization using a Compact Computed Tomography Imaging Spectrometer with Super-resolution Capability
13:40	Talk	Bernd Jähne	IWR-Uni Heidelberg	Sulfur Dioxide Fluorescence Imaging
14:05		Coffee break		
				Session 6: Recycling 2
14:25	Talk	Lukas Roming	Fraunhofer IOSB	Increasing the use of waste wood bulky waste using artificial intelligence and image processing in the VIS, IR and terahertz range
14:50	Talk	Manuel Bihler	KIT-IIIT	Semi-supervised methods for CNN based classification of multispectral imagery
15:15	Talk	Felix Kronenwett	Fraunhofer IOSB	Regression-based Age Prediction of Plastic Waste using Hyperspectral Imaging
15:40				Best Paper Award, Summary and conclusion
16:00		End		