

Wednesday, 6 June 2018, www.chii2018.com

07:30 - 08:20	Registration @ Conference Venue			
Welcome Address & Introduction				
08:20 - 08:25	0A	Manfred Pail	Welcome Address by Perception Park	+4369910709408 m.pail@perception-park.com
08:25 - 08:30	0B	Paul-Gerald Dittrich	Welcome Address by SpectroNet	+491755280223 pg.dittrich@spectronet.de
Session 01: Sensors & Systems for Multi-/Hyperspectral Imaging				
08:30 - 08:40	S01	Jörg Schmitz	Success story - Hyperspectral imaging for seal inspection	+498980902237 j.schmitz@stemmer-imaging.de
08:40 - 08:50	S02	Mathieu Marmion	Specim – System provider for hyperspectral imaging in industry and beyond	+358104244400 mathieu.marmion@specim.fi
08:50 - 09:00	S03	James Gardiner	Multispectral, SWIR and hyperspectral: Next generation of LED illumination	+12156398699 j.gardiner@metaphase-tech.com
09:00 - 09:10	S04	Gion-Pitschen Gross	The influence of temperature on image quality in NIR / SWIR cameras used in imaging spectrometers	+4941026688132 gion-pitschen.gross@alliedvision.com
09:10 - 09:20	S05	Francesco Beccari	Method transferability between multiple hyperspectral sorting systems deployment: An application example	+39 340 5875655 fbeckari@headwallphotonics.com
09:20 - 09:30	S06	Frédéric Aubrun	Xenics detectors and cameras in hyperspectral systems	+3216389900 frederic.aubrun@xenics.com
09:30 - 09:40	S07	Dr. Oliver Pust	High spatial resolution hyperspectral camera based on a continuously variable filter	+4926848519661 opu@deltiopticalthinfilm.com
09:40 - 09:50	S08	Jean-Christophe Olaya	LLA Instruments - hyperspectral solutions: What's New	+4930629079037 jc.olaya@lla.de
09:50 - 10:00	S09	Dr. Rainer Riesenber	Integrated solutions for hyperspectral imaging	+493641206313 rainer.riesenberg@leibniz-ipht.de
10:00 - 10:30	Coffee break and individual networking at the exhibition			
Session 02: Hardware, Software & Processing for Multi-/Hyperspectral Imaging				
10:30 - 10:40	S10	Dr. Pavel Paclik	User-guided spectral image interpretation without programming	+31648060368 pavel.paclik@perclass.com
10:40 - 10:50	S11	Andreas Vidman	Software solution for hyper- and multi-spectral imaging	+46703296958 andreas@prediktera.se
10:50 - 11:00	S12	Stéphane Tisserand	Hybridization of custom bayer matrices: Deployment of this integrated technology for multispectral imaging	+0442538965 stephane.tisserand@silios.fr
11:00 - 11:10	S13	Dr. Robin Gruna	Development of a common data and analytics infrastructure for various spectral sensors	+497216091263 robin.gruna@iosb.fraunhofer.de
11:10 - 11:20	S14	Markus Burgstaller	Hyperspectral apps & more	+4369910709403 m.burgstaller@perception-park.com
11:20 - 11:30	S15	Sébastien Frasse-Sombet	Sofradir InGaAs SWIR detectors for hyperspectral applications	+330644139620 sebastien.frasse-sombet@sofradir.com
11:30 - 11:40	S16	Heinz Fleischhacker	Enhancing hyperspectral imaging applications through deep learning methods	+4369919985653 heinz.fleischhacker@kestrel-eye.com
11:40 - 11:50	S17	Paul-Gerald Dittrich	Summary & conclusions of the Collaboration Forum part 1	+491755280223 pg.dittrich@spectronet.de
11:50 - 12:45	Lunch break and individual networking at the exhibition			
Workshop 01: Characterization and Evaluation of Multi-/Hyperspectral Imaging Systems				
14:00 - 14:50	K01	Prof. Dr. Bernd Jähne	Extension of the EMVA 1288 standard for hyperspectral imaging	+4962215414860 bernd.jaehne@iwr.uni-heidelberg.de
14:50 - 15:10	W01	Prof. Dr. Pierre Gouton	Multispectral acquisition systems: radiometric, optical characterization & spectral reproduction	+33380396004 pgouton@u-bourgogne.fr
15:10 - 15:30	W02	Paul-Gerald Dittrich	Characterization of Filter-On-Chip CMOS-Sensor systems	+491755280223 paul-gerald.dittrich@tu-ilmenau.de
15:30 - 16:00	Coffee break and individual networking at the exhibition			
16:00 - 16:20	W03	Esko Herrala	Trade-offs, optimization and testing of push-broom hyperspectral system	+358104244400 esko.herrala@specim.fi
16:20 - 16:40	W04	Prof. Dr. Dietrich Paulus	Preprocessing of multi-and hyperspectral imaging data	+492612872788, paulus@uni-koblenz.de
16:40 - 17:00	W05	Roelof van Dijk	Evaluation of superresolution gains for hyperspectral mosaic imagers	+31611748198 roelof.vandijk@tno.nl
17:00 - 17:30	Workshop 01: Round table discussion – moderated by Prof. Dr. Bernd Jähne This is your opportunity to raise questions and make suggestions.			
17:30 - 18:00	Coffee break and individual networking at the exhibition			
19:30 – 22:00	Evening Event Austrian Barbecue Live Music			

12.45 - 14:30
chii-Talks 1/2:
 pre-planned face-to-face meetings for conference participants

Thursday, 7 June 2018, www.chii2018.com

07:30 - 08:20	Registration @ Conference Venue			
Welcome Address & Introduction				
08:20 - 08:25	0A	Manfred Pail	Welcome Address by Perception Park	+4369910709408 m.pail@perception-park.com
08:25 - 08:30	0B	Paul-Gerald Dittrich	Welcome Address by SpectroNet Collaboration Cluster	+491755280223 pg.dittrich@spectronet.de
Session 03: Multimodal Image Acquisition and Embedded Processing for Multi-/Hyperspectral Imaging				
08:30 - 08:40	S18	Dr. Stephan Junger	Multispectral and polarization filters combined with image sensors fabricated in CMOS technology	+4991317769215 stephan.junger@iis.fraunhofer.de
08:40 - 08:50	S19	Jakob Kilgus	Low-cost mid-infrared hyperspectral imaging	+4373224684625 jakob.kilgus@recendt.at
08:50 - 09:00	S20	Jürgen Hillmann	Multi-camera embedded systems and miniaturized HSI cameras	+492512024080 juergen.hillmann@ximea.com
09:00 - 09:10	S21	René Hauser	High-Speed SWIR cameras for hyperspectral imaging	+41554510000 hauser@photonfocus.com
09:10 - 09:20	S22	Dr. Matthias Locherer	Real-Time spectral imaging for remote sensing, machine vision and life science applications	+4973170815670 locherer@ubert-gmbh.de
09:20 - 09:30	S23	Bernhard Frei	Multispectral and 3D linescan camera applications	+497531876237 bernhard.frei@chromasens.de
09:30 - 09:40	S24	Dr. John R. Gilchrist	CAMLIN Photonics and hyperspectral fluorescence lifetime imaging – spatial, spectral, and time -resolved	+441419529475 j.gilchrist@camlingroup.com
09:40 - 09:50	S25	Daniel Kraus	Multispectral imaging for activated bioparticle sorting	+493641206314 daniel.kraus@leibniz-iph.de
09:50 - 10:00	S26	Markus Wrieden	Application of a Line-Scan Filter-on-Chip hyperspectral camera for inspection of endless supported material	+493677693939 markus.wrieden@tu-ilmenau.de
10:00 - 10:30	Coffee break and individual networking at the exhibition			
Session 04: Applications for Multi-/Hyperspectral Imaging in Industry				
10:30 - 10:40	S27	Dr. Adam Stern	Hyperspectral remote sensing for municipal quality assessments	+4065863356 stern@resonon.com
10:40 - 10:50	S28	Marco Meinig	Application of tunable Fabry-Pérot interferometers in miniaturized spectral imaging systems	+4937145001257 marco.meinig@enas.fraunhofer.de
10:50 - 11:00	S29	René Braun	State-of-the-art remote sensing for Real-Time identification and quantification of gases and liquids	+4972435042457 rene.braun@bruker.com
11:00 - 11:10	S30	Dr. Inga Niedermaier	Hyperspectral imaging from UV to MIR	+4991137669111 inga.niedermaier@inno-spec.de
11:10 - 11:20	S31	Matthias Godejohann	MIR hyperspectral-imaging system for microscopic marker free chemical mapping and real-time measurements	+4988065343255 mgo@mgopticalolutions.com
11:20 - 11:30	S32	Anton Scheibelmasser	Sorting of hazardous to health bitter almonds using Chemical Imaging Technology (CIT®)	+4331152178619 anton.scheibelmasser@insort.at
11:30 - 11:40	S33	Antoine Laborde	Detection of adulteration in powders in agro-industry	+330622268624 antoine.laborde@greentropism.com
11:40 - 11:50	S34	Paul-Gerald Dittrich	Summary & conclusions of the Collaboration Forum part 2	+491755280223 pg.dittrich@spectronet.de
11:50 - 12:45	Lunch break and individual networking at the exhibition			
Workshop 02: Application of Multi-/Hyperspectral Imaging in Industry, Biology, Medicine and Beyond				
14:30 - 15:20	K02	Prof. Dr. Gunther Notni	Multispectral and multimodal 3D-imaging	+493641807217 gunther.notni@iof.fraunhofer.de
15:20 - 15:40	W06	Dr. John R. Gilchrist	High resolution hyper-spectral imaging for art conservation - the technical complexity of 600Mpixel images	+441419529475 j.gilchrist@camlingroup.com
15:40 - 16:00	W07	Dr. Adam Stern	Anamorphic imaging spectrometer	+4065863356 stern@resonon.com
16:00 - 16:20	Coffee break and individual networking at the exhibition			
16:20 - 16:40	W08	Thierry Robin	Hyperspectral and multispectral imaging: End-user needs, markets and trends	+33648086332 trobin@tematys.com
16:40 - 17:00	W09	Dr. Matthias Kerschhaggl	From qualitative to quantitative chemical imaging. A new window into process analysis technology	+43316461664 matthias.kerschhaggl@evk.biz
17:00 - 17:30	Workshop 02: Round table discussion – moderated by Prof. Dr. Gunther Notni This is your opportunity to raise questions and make suggestions.			
17:30 - 18:00	Coffee break and individual networking at the exhibition			
18:00	End of conference			

12:45 - 14:30
 chii-Talks 2/2:
 pre-planned face-to-face
 meetings for conference
 participants