



**19th International Diffuse Reflectance Conference
July 29 – August 2, 2018
Chambersburg, PA**



IDRC 2018 Program Schedule

Update: July 20, 2018

Saturday, July 28			
4:00 PM	Registration opens in Laird Hall		
6:30 PM – 7:30 PM	Pizza dinner in Dining Hall		
Sunday, July 29, Short Courses, Science Center Auditorium			
7:00 AM	<i>Continental Breakfast in Dining Hall</i>		
8:30 – 10:00 AM	Fundamentals of NIR	Jerome Workman	Unity Scientific
10:00 – 10:30 AM	<i>Coffee Break</i>		
10:30 AM – 12:00 PM	Basic Chemometrics	Benoit Igne	GSK
12:00 – 12:45 PM	<i>Lunch Break - Dining Hall</i>		
1:00 – 2:30 PM	Process Analytical Technology (PAT)	Rodolfo Romanach	Recinto Universitario de Mayaguez
2:30 – 3:00 PM	<i>Coffee Break</i>		
3:00 – 4:30 PM	Networking	Pierre Dardenne	Spiralys
5:30 – 6:45 PM	<i>Dinner in Dining Hall</i>		
Sunday Evening, July 29, Science Center Auditorium			
Welcome and the Birth Award Session	Organizer:	Connie Hardy and Benoit Igne	Iowa State University, GSK
7:00 PM	Conference Welcome	Charles Hurburgh	Iowa State University
7:30 PM	About Wilson College	Deborah Austin	Wilson College Chemistry
8:00 PM	About Chambersburg	Janet Pollard	Chambersburg Chamber
8:30 PM	Birth Award	Dan Klevisha	FossNA
	Holistic research of diffusely reflected light in cellulosic materials	Satoru Tsuchikawa	Nagoya University
Poster Viewing and Hospitality in Laird Hall			
Monday Morning July 30, Science Center Auditorium			
7:00 AM	<i>Continental Breakfast in Dining Hall</i>		
Diffuse R vs Diffuse T; What's the Choice	Organizer:	Charles Hurburgh	Iowa State University
8:30 AM	Multipoint NIR spectroscopy for online real-time industrial applications	Sylvie Roussel	Indatech
9:30 AM	TBA		
10:00 – 10:30 AM	<i>Coffee Break</i>		
10:30	Hirschfeld Award	Lone Vejgaard	Foss Denmark
		Dr. Christian Huck	University of Innsbruck
11:30	TBA		
12:00 – 1:30 PM	Lunch Break - Dining Hall		
Monday Afternoon, July 30, Laird Hall			
2:00 – 3:30 PM	Poster Session	Authors Present	Judges review posters
Monday Evening, July 30, Science Center Auditorium			
Vendor Showcase	Organizer:	Howard Mark	Mark Electronics
7:00 PM – 9:30 PM	Vendor Presentations	Vendor Representatives	
Poster Viewing and Hospitality in Laird Hall			

Tuesday Morning, July 31, Science Center Auditorium			
7:00 AM	<i>Continental Breakfast in Dining Hall</i>		
Solving Problems in Industrial Networks	Organizer:	David Honigs	Perten Instruments, Inc.
8:30 AM	Maintaining Control in Quality Control: Problem Solving Common Mistakes and Misconceptions in Food Manufacturing NIR Networks	Carly Isaak	Perten Instruments Canada
9:00 AM	Balancing a Regulatory and Direct Service Network	Cathy Brenner	AMS – USDA
9:30 AM	When Doing It The Right Way Doesn't Work	F. E. Barton, D. E. Akin and J.A. de Haseth	LLS. LLC and LLS Instruments, Inc. Athens, GA
10:00 – 10:30 AM	<i>Coffee Break</i>		
10:30 AM	Establishing a NIR Center of Excellence: A Solution for Successful Management of Multiple Instruments and Programs	Anitra Payne	NIR Center of Excellence and Plant Lab Support, Land O Lakes
11:00 AM	Calibration Practices Beyond 50 Samples	David Honigs	Perten Instruments USA
11:30 AM	Discussion and Interaction with Speakers		
12:00 – 1:30 PM	<i>Lunch - Dining Hall</i>		
Tuesday Afternoon, July 31, Science Center Auditorium			
2:00 – ?	On-site Software Shootout	Benoit Igne	GlaxoSmithKline
Tuesday Evening, July 31, Science Center Auditorium			
7:00 PM – 8:30 PM	Advance Software Shootout Presentations	Benoit Igne	GlaxoSmithKline
As needed – 9:30 PM	Discussion of Data Standards and Calibration Guidelines		
Poster Viewing and Hospitality in Laird Hall			
Wednesday Morning, August 1, Science Center Auditorium			
7:00 AM	<i>Continental Breakfast in Dining Hall</i>		
Leading Edge – Young Scientists and Student Research	Organizer:	Nanning Cao	Ardent Mills
8:00 AM	Insights into the total antioxidant capacities of different cultivars of gluten-free grains using benchtop and handheld NIR spectroscopy	Verena Wiedemair	University of Innsbruck, Austria
8:30 AM	Prediction of bean plants pathologies, and geographical origin by using NIRS and chemometrics	Jordi Cruz	Salesian University, Spain
9:00 AM	Accurate and reproducible spectra of diluted solutions	Dusan Kojic	Keio University, Japan
9:30 AM	Improving On-line Monitoring of Tablet Coating Process with Terahertz Pulsed Imaging Based Near-Infrared Coating Thickness Models	Shikhar Mohan	Duquesne University, US
10:00 – 10:30 AM	<i>Coffee Break</i>		
10:30 AM	Using hyperspectral imaging for prediction of whole cocoa bean composition	Nicola Caporaso	University of Nottingham, UK
11:00 AM	Use of a NIR mini spectrometer for polyamides discrimination on a production unit by PLS-DA	Perrine Hebert & Sylvie Roussel	Ondalys, France
11:30 AM	Orchard vis/NIR scanning of apples: Moving to non-destructive determination of fruit ripening and quality parameters	Konni Biegert	Kompetenzzentrum Obstbau-Bodensee, Germany

12:00 – 1:30 PM		Lunch Break - Dining Hall	
Wednesday Afternoon, August 1, Patterson Board Room			
1:30 PM – 3:30 PM	CNIRS Board Meeting	Benoit Igne	GlaxoSmithKline
Wednesday Evening, August 1, Dining Hall			
Banquet and Awards			
6:00 PM	Hospitality in Lobby		
6:45 PM	Dinner	Please indicate meal choice at registration	
	Experiences of a Consultant	Dr. Emil Ciurczak	Doramaxx Consulting
	Program and Awards	Benoit Igne	GlaxoSmithKline
Poster Viewing and Hospitality in Laird Hall			
Thursday Morning, August 2, Science Center Auditorium			
7:00 AM	<i>Continental Breakfast in Dining Hall</i>		
Hyperspectral Imaging and Remote Sensing	Organizer	Richard Zacaroli	Commercial Hyperspectral Products, Corning, Inc., Sacramento, CA
8:00 AM	Bringing Hyperspectral Imaging into the Mainstream	Richard Zacaroli	Commercial Hyperspectral Products, Corning, Inc., Sacramento, CA
8:30 AM	Examining Water Stress in a Vineyard Using Hyperspectral Imagery Collected from a UAV	Sean Hurley	California Polytechnic Institute, San Luis Obispo, CA
9:00 AM	Hyperspectral Imaging Cubesat Initiative	Abraham Matthew	Orbital Sidekick Inc. (OSI), San Francisco, CA
9:30 AM	Airbus Zephyr High Altitude Pseudo-Satellite (HAPS) UAS for Remote Sensing Applications	Tracey Goetz	Zephyr UAS Programs, Airbus Defense and Space Inc., Herndon, VA
10:00 – 10:30 AM	<i>Coffee Break, Posters must be removed from Laird by 10:30</i>		
10:30 AM	A Compact Visible to Extended-SWIR Hyperspectral Sensor for Unmanned Aircraft Systems (UAS)	Bridget Tannian	Spectral Sciences, Inc., Bedford, MA
11:00 AM	The Multivariate Optical Element Platform, a Promising Technology for Next Generation Hyperspectral Imaging Systems	Ryan Priore	CIRTEMO LLC, Columbia, SC
11:30 AM	Discussion, Closing, ICNIRS 2019, IDRC 2020	Charles Hurburgh	Iowa State University
12:00 – 1:30 PM		Lunch - Dining Hall	
by 2:00 PM	Check out and Key Return		