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

**IDRC 2018 Program Schedule**

**Update: July 25, 2018**

### Saturday, July 28

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 PM</td>
<td>Registration opens in Laird Hall</td>
</tr>
<tr>
<td>6:30 PM – 7:30 PM</td>
<td>Pizza dinner in Laird Hall</td>
</tr>
</tbody>
</table>

### Sunday, July 29, Short Courses, Science Center Auditorium

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>Continental Breakfast in Dining Hall</td>
</tr>
<tr>
<td>8:30 – 10:00 AM</td>
<td>Fundamentals of NIR</td>
</tr>
<tr>
<td>10:00 – 10:30 AM</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:30 AM – 12:00 PM</td>
<td>Basic Chemometrics</td>
</tr>
<tr>
<td>12:00 – 12:45 PM</td>
<td>Lunch Break - Dining Hall</td>
</tr>
<tr>
<td>1:00 – 2:30 PM</td>
<td>Process Analytical Technology (PAT)</td>
</tr>
<tr>
<td>2:30 – 3:00 PM</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>3:00 – 4:30 PM</td>
<td>Networking</td>
</tr>
<tr>
<td>5:30 – 6:45 PM</td>
<td>Welcome and the Birth Award Session</td>
</tr>
<tr>
<td>7:00 PM</td>
<td>Conference Welcome</td>
</tr>
<tr>
<td>7:30 PM</td>
<td>About Wilson College</td>
</tr>
<tr>
<td>8:00 PM</td>
<td>About Chambersburg</td>
</tr>
<tr>
<td>8:30 PM</td>
<td>Birth Award</td>
</tr>
</tbody>
</table>

**Welcome and the Birth Award Session**

- Holistic research of diffusely reflected light in cellulosic materials
  - Satoru Tsuchikawa
  - Nagoya University

**Poster Session**

**Authors Present**, **Judges review posters**

**Monday Morning July 30, Science Center Auditorium**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>Full Breakfast in Dining Hall</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Multipoint NIR spectroscopy for online real-time industrial applications</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Chemometrics and standardization requirements for both transmission and reflection measurements</td>
</tr>
<tr>
<td>10:00 – 10:30 AM</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Hirschfeld Award</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Lunch - Dining Hall</td>
</tr>
</tbody>
</table>

**Monday Afternoon, July 30, Laird Hall**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 – 3:30 PM</td>
<td>Poster Session</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Predict Your Own Time (PYOT) practice</td>
</tr>
<tr>
<td>Time</td>
<td>Event Description</td>
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<tr>
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</tr>
<tr>
<td>5:30 – 6:45 PM</td>
<td><strong>Dinner in Dining Hall</strong></td>
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<tr>
<td></td>
<td><strong>Vendor Showcase</strong></td>
</tr>
<tr>
<td>7:00 PM – 9:30 PM</td>
<td><strong>Vendor Presentations</strong></td>
</tr>
<tr>
<td><strong>Poster Viewing and Hospitality in Laird Hall. Sponsored by The Consultants.</strong></td>
<td><strong>Tuesday Morning, July 31, Science Center Auditorium</strong></td>
</tr>
<tr>
<td>7:00 AM</td>
<td><strong>Solving Problems in Industrial Networks</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Maintaining Control in Quality Control: Problem Solving Common Mistakes and Misconceptions in Food Manufacturing NIR Networks</strong></td>
</tr>
<tr>
<td>8:30 AM</td>
<td><strong>Balancing a Regulatory and Direct Service Network</strong></td>
</tr>
<tr>
<td>9:00 AM</td>
<td><strong>When Doing It The Right Way Doesn't Work</strong></td>
</tr>
<tr>
<td>9:30 AM</td>
<td><strong>When Doing It The Right Way Doesn't Work</strong></td>
</tr>
<tr>
<td>10:00 – 10:30 AM</td>
<td><strong>10:00 AM</strong> <strong>Establishing a NIR Center of Excellence: A Solution for Successful Management of Multiple Instruments and Programs</strong></td>
</tr>
<tr>
<td>10:30 AM</td>
<td><strong>Calibration Practices Beyond 50 Samples</strong></td>
</tr>
<tr>
<td>11:00 AM</td>
<td><strong>ICNIRS 2019</strong></td>
</tr>
<tr>
<td>11:30 AM</td>
<td><strong>Discussion and Interaction with Speakers</strong></td>
</tr>
<tr>
<td>12:00 – 1:30 PM</td>
<td><strong>Lunch - Dining Hall</strong></td>
</tr>
<tr>
<td>2:00 – 3:00 PM</td>
<td><strong>On-site Software Shootout</strong></td>
</tr>
<tr>
<td>4:00 PM</td>
<td><strong>PYOT Competition</strong></td>
</tr>
<tr>
<td>5:30 – 6:45 PM</td>
<td><strong>Dinner in Dining Hall</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Advance Software Shootout Presentations</strong></td>
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<tr>
<td></td>
<td><strong>Discussion of Data Standards and Calibration Guidelines</strong></td>
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<tr>
<td></td>
<td><strong>Poster Viewing and Hospitality in Laird Hall. Sponsored by Unity Scientific</strong></td>
</tr>
<tr>
<td>7:00 AM</td>
<td><strong>Leading Edge – Young Scientists and Student Research</strong></td>
</tr>
<tr>
<td>8:00 AM</td>
<td><strong>Insights into the total antioxidative capacities of different cultivars of gluten-free grains using benchtop and handheld NIR spectroscopy</strong></td>
</tr>
<tr>
<td>8:30 AM</td>
<td><strong>Prediction of bean plants pathologies, and geographical origin by using NIRS and chemometrics</strong></td>
</tr>
<tr>
<td>9:00 AM</td>
<td><strong>Accurate and reproducible spectra of diluted solutions</strong></td>
</tr>
<tr>
<td>9:30 AM</td>
<td><strong>Improving On-line Monitoring of Tablet Coating Process with Terahertz Pulsed Imaging Based Near-Infrared Coating Thickness Models</strong></td>
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<tr>
<td>10:00 – 10:30 AM</td>
<td><strong>Coffee Break</strong></td>
</tr>
<tr>
<td>10:30 AM</td>
<td><strong>Using hyperspectral imaging for prediction of whole cocoa bean composition</strong></td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
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<td>-----------</td>
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<tr>
<td>11:00 AM</td>
<td>Use of a NIR mini spectrometer for polyamides discrimination on a production unit by PLS-DA</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Orchard vis/NIR scanning of apples: Moving to non-destructive determination of fruit ripening and quality parameters</td>
</tr>
<tr>
<td>12:00 – 1:30 PM</td>
<td>Lunch Break - Dining Hall</td>
</tr>
<tr>
<td>1:30 PM – 3:30 PM</td>
<td>CNIRS Board Meeting</td>
</tr>
<tr>
<td>6:00 PM</td>
<td>Hospitality in Lobby</td>
</tr>
<tr>
<td>6:45 PM</td>
<td>Dinner</td>
</tr>
<tr>
<td></td>
<td>The Making of a Consultant</td>
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<tr>
<td></td>
<td>Program and Awards</td>
</tr>
<tr>
<td></td>
<td><strong>Poster Viewing and Hospitality in Laird Hall</strong></td>
</tr>
<tr>
<td>7:00 AM</td>
<td><strong>Thursday Morning, August 2, Science Center Auditorium</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Full Breakfast in Dining Hall</strong></td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Bringing Hyperspectral Imaging into the Mainstream</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Examining Water Stress in a Vineyard Using Hyperspectral Imagery Collected from a UAV</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Hyperspectral Imaging Cubesat Initiative</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Airbus Zephyr High Altitude Pseudo-Satellite (HAPS) UAS for Remote Sensing Applications</td>
</tr>
<tr>
<td>10:00 – 10:30 AM</td>
<td>Coffee Break, Posters must be removed from Laird by 10:30</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>The Multivariate Optical Element Platform, a Promising Technology for Next Generation Hyperspectral Imaging</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Discussion, Closing, ICNIRS 2019, IDRC 2020</td>
</tr>
<tr>
<td>12:00 – 1:30 PM</td>
<td>Lunch - Dining Hall</td>
</tr>
<tr>
<td>by 2:00 PM</td>
<td>Check out and Key Return</td>
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