### INTERNATIONAL STRAWBERRY SYMPOSIUM SCIENTIFIC PROGRAM

#### SATURDAY AUGUST 13, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>14:00-16:00</td>
<td>Registration</td>
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<tr>
<td>16:00-16:30</td>
<td>Opening Ceremony: ISHS President, Chair of Commission, Convener, Minister of Agriculture</td>
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<tr>
<td>16:30-17:30</td>
<td>History of strawberry in Canada / Yves Desjardins, INAF, Canada</td>
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<tr>
<td>17:30-20:00</td>
<td>Welcome Cocktail - Quebec City Convention Center</td>
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<td>08:30-09:00</td>
<td>Overview of World Strawberry production and future trends / Rick Harrison, Driscoll's, USA</td>
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<tr>
<td>09:00-09:30</td>
<td>Advances in Strawberry Breeding at the University of Florida / Vance Whitaker, University of Florida, USA</td>
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<td>09:30-10:00</td>
<td>Morning tea &amp; coffee &amp; Exhibition visit</td>
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<td>10:00-10:15</td>
<td>SESSION 1 : Breeding</td>
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<td>Chair: Beatrice Desnoyes</td>
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<td>10:15-10:30</td>
<td>&quot;Yotsuboshi&quot; a new F1 hybrid strawberry of seed propagation type for year round propagation / Dr. Tatsuo Morishita, Tokyo Metropolitan Agriculture &amp; Forestry, Research Center, Japan</td>
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<td>Updates on Italian Strawberry Breeding Programs coordinated by CREA-RRF / Dr. Gianluca Baruzzi, CREA-RRF, Italy</td>
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<td>10:45-11:00</td>
<td>Progress in Strawberry Breeding at NIB-MER, East Mailling, UK / Adam Whitehouse, NIB-MER, Belgium</td>
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<td>11:00-11:15</td>
<td>SESSION 2 : Crop Management - Soils - Substrate</td>
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<td>The Current Progress in Strawberry Breeding in China / Dr. Zhang Yunfan, China</td>
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<td>Breeding F1 Hybrid Dayneutral Strawberries in Eastern North America / Dr. Adam Dale, University of Guelph, Canada</td>
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<td>Rapid volatile metabolomics in large strawberry populations segregating for aroma / Chris Barbery, UPIFAs Horticultural Science Department, USA</td>
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<td>Delizioso development of a sustainable strawberry production system in winter season / G.C.M. Benvetens, ABZ Seeds, Belgium</td>
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<td>Searching for chemical and sensory parameters for flavor enhancement in strawberry breeding / Detlef Unich, Julius Kühn Institute, Germany</td>
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#### SESSION 5: Genetics
- Chairs: Adam Whitehouse and G. Fernandez
- Lessons Learned from DNA-Based Tool Development and Use in a Genebank / Dr. Nahla Y. Basil, USDA, USA
- The University of California, Davis Strawberry Breeding Program / Julia Harshman, University of California, USA

#### SESSION 6: Applied Physiology
- Chair: Jorge B. Retamales
- Effects of heat stress on physiological index in cultivated strawberry / Preeda Nathawet, Maejo University, Thailand
- Physiology of strawberry plants under controlled environment: Diurnal change in leaf net photosynthetic rate / Karla Garcia, University of Arizona
- Alliation of low temperature stress by exogenous glycine betaine and nitric oxide in strawberry (Fragaria x ananassa Duch.) / Nam Jun Kang, Gangwon National University, Republic of Korea
- Effect of nitrogen source and the inoculation with Glomus intraradices on Strawberry plants / Dr. Raúl Cárdenas Navarro, Inv. Investig. Agronegocias y Forestales, Mexico
SESSION 9: Genetic Resources
Chair: Kim Hummer and Jinuan Lei

Resources Available for Fragaria Research Through the Genome Database for Rosaceae / Dr. Nola V. Basil, USDA, USA

10:00 - 10:15
Studies of diversity of wild Fragaria species in Yunnan, China / Jing Wang, Jiangsu Academy of Agriculture Science, China

10:15 - 10:30
Fragaria vesca as a Genetic Resource for Pest Resistance, Frost Tolerance, and Pollination / Johan A. Stenberg, Swedish University of Agricultural Sciences, Sweden

10:30 - 10:45
Seeking the northern boundary of the natural range of the Cascade strawberry / Kim Hummer, USDA ARS NCGR, USA

10:45 - 11:00
Morphological analysis of Fragaria chiloensis accessions and their relationship as parents of F. x ananassa hybrid / Dr. Marina Gambardella, Universidad Catolica de Chile

SESSION 11: Physiology Flowingness / Stress
Chair: David Nel

11:15 - 11:30
Induction and floral differentiation in white strawberry (Fragaria chiloensis subsp. chiloensis) / Javier Ms. Grez, Pontificia Universidad Catolica de Chile, Chile

11:30 - 11:45
Photoperiod and temperature interaction on in florescence architecture and receptacle size of everbearing strawberry cv. Capri / Paolo Marzetti, Fondazione Edmund Musch, Italy

11:45 - 12:00
Pollen viability and germination of ‘Maehyang’ and ‘Seohlhyang’ strawberries as affected by low air temperature / Changhoo Chun, Seoul National University

12:00 - 12:15
Salt stress induces differential response on yield, fruit quality, vegetative growth, and physiological parameters in commercial (Fragaria x ananassa) and Chilean strawberry (F. chiloensis) genotypes / Dr. Jorge Basartes Retamales, Universidad de Talca, Chile

12:15 - 12:30
Doxylpins levels and expression of jasmonic responsive genes during development and ripening of strawberry fruit / Adrion Garrido-Bigos, Universidad de Concepcion, Chile

12:30 - 13:30
Lunch & Exhibition visit

13:30 - 14:00
Overcoming climatic limitations: cultivation systems and winter production under assimilation lighting resulting in year-round strawberries / Tom Van Dael, Proefcentrum Hooagstraaten, Belgium

14:00 - 14:30
Understanding the potential benefits of soil fertilization in strawberry / Richard Bélanger, Laval University, Canada

SESSION 13: Greenhouse tunnels
Chairs: Peter Melis and C. Kubota

14:45 - 15:00
Controlled Environment Strategies for Tipburn Management in Greenhouse Strawberry Production / Mark Kroggel, University of Arizona, USA

15:00 - 15:15
Strawberry cultivar performance in high tunnels under sustainable and organic production practices in three climatic regions of Eastern Finland, Finland / Javiera Ms. Grez, Pontificia Universidad Catolica de Chile, Chile

15:15 - 15:30
Use of low tunnels to improve development and productivity of dayneutral strawberry plants under Quebec climate conditions / Andre Giasson, Laval University, Canada

15:30 - 15:45
Testing strawberry genotypes for resistance to Colletotrichum gloeosporioides in Queensland / Dr. Jodi Neal, Queensland Government, Australia

15:45 - 16:00
Afternoon tea & coffee

SESSION 15: Nursery propagation and cropping systems
Chair: Phillip Leiten

16:00 - 16:15
Effect of long days and high temperatures in the nursery on the fruit production pattern of the short-day strawberry cv. Gariguette / Jochen Hanssens, University of Quebec in Rimouski, Canada

16:15 - 16:30
Effects of various seeding production methods on early growth, flowering and yield of June-bearing strawberry “Sulhyang” / Dr. Young Roe Yong, Gungneung Wonju National University, Republic of Korea

16:30 - 16:45
Strawberry cultivation on substrate: comparison of a continuous cultivation and a fresh spring planting / Jochen Hanssens, Inagro, Belgium

16:45 - 17:00
Strawberry cultivation on substrate: contribution of a continuous cultivation and a fresh spring planting / Jochen Hanssens, Inagro, Belgium

17:00 - 17:15
Molecular approaches for monitoring clonal fidelity and epigenetic variation in in vitro derived strawberry plant / Dr. Samir Debnath, Agriculture and Agri-Food Canada

17:30 - 18:30
Poster Session

19:00 - 22:00
BBQ and visit of Laval University Jardin Roger Van Den Hende