**International Workshop on Sustainable Agriculture and Pest Management**

**Date：Nov. 10 (Thur.), 2016**

**Venue: Room 401, Tomatake Hall, National Taiwan University**

**Program:**

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| Time | Keynote Speakers |
| 8:30 - 9:00 | Registration |
| 9:00 - 9:10 | **Opening**  **Dr. Yuan-Tai Shyu**  Dean, College of Bioresources and Agriculture  National Taiwan University  **Dr. Joe-Air Jiang**  **Distinguished Professor, Department of Bio-Industrial Mechatronics Engineering**  **National Taiwan University** |
| **Session I: IoT-Based Monitoring Systems**  Session Chair: **Dr. Ye-Nu Wan**  Professor, **Department of Bio-Industrial Mechatronics**  **Engineering, National Chung Hsing University** | |
| 9:10 - 9:50 | **A Temperature Compensated Smart Nitrate-Sensor for Agricultural Industry**  **Dr. Subhas Mukhopadhyay**  **Professor, Department of Engineering,** Macquarie University, Australia |
| 9:50 - 10:30 | **Environmental Sensing Using Autonomous Robots**  **Dr. Henry Leung**  Professor, Department of Electrical and Computer Engineering, University of Calgary, Canada |
| 10:30 - 10:50 | *Coffee Break* |
| **Session II: Smart Agriculture (I)**  Session Chair: **Dr. Chyung Ay**  Vice President, National Chiayi University | |
| 10:50 - 11:30 | **Recent Trend of Smart Agriculture in Korea**  **Dr. Sun-Ok Chung**  Professor, Department of Biosystems Engineering,  Chungnam National University, Korea |
| 11:30 - 12:10 | **Sensing and Visualization in Small- and Medium-scale Farms**  **using Affordable Smart Devices**  **Dr. Takashi Okayasu**  Associate Professor, Department of Agro-Environmental Sciences,  Kyushu University, Japan |
| 12:10 - 13:30 | *Lunch* |
| **Session IV: Pest Management**  Session Chair: **Dr. Tze-Chung Huang**  Direct General, Bureau of Animal and Plant Health Inspection and  Quarantine, Council of Agriculture, Executive Yuan | |
| 13:30 - 14:10 | **Evaluation of Novel “Attract and Kill” Stations for Area-Wide Suppression of Fruit Flies (*Diptera: Tephritidae*) in Hawaii**  **Dr. Roger I. Vargas**  Research Entomologist, Agricultural Research Service, USDA |
| 14:10 - 14:50 | **Ecological/Behavioral Factors Influencing the Efficacy of Trapping Systems for Insect Pests**  **Dr. Jaime C. Piñero**  Associate Professor, Department of Agriculture and Environmental Sciences, Lincoln University, Missouri, USA |
| 14:50 - 15:10 | *Coffee Break* |
| **Session III: Smart Agriculture (II)**  Session Chair: **Dr. Samson C. S. Tsou**  Science and Technology Policy Research and Information Center,  NARLabs | |
| 15:10 - 15:50 | **Workload-Aware Views Materialization for Big Open Linked Data**  **Dr. Kuo-Ming Chao**  **Professor** of Computing, Coventry University, UK |
| 15:50 - 16:30 | **Integrating GIS Tools and Internet of Things in Agriculture Productivity: A Case Study in North Vietnam**  **Dr. Thanh Van Hoang**  **Assistant Professor, Department of** Geography, Thai Nguyen University of Education, Vietnam |
| 16:30 - 16:40 | *Final remarks* |