



August 14, 2018 - Tuesday

08:45-09:00	COLLOQUIUM 1
09:00-09:15	
09:15-09:30	
09:30-09:45	
09:45-10:00	
10:00-10:15	
10:15-10:30	
10:30-11:00	Coffee Break / Poster Presentations
Session: Greenhouse Management and Production Systems	
Chair: Dr. Qichang Yang (Chinese Academy of Agricultural Sciences, China)	
11:00-11:15	Marisa Gallardo, Rodney Thompson (Key note)
11:15-11:30	Modelling greenhouse-grown vegetable crops for optimization of irrigation and nitrogen management
11:30-11:45	Thomas Bartzanas, Nikolaos Katsoulas, Constantinos Kittas Precision modelling of distributed greenhouse climate
11:45-12:00	Martin P.N. Gent Modeling translocation and metabolism in plants
12:00-12:15	David Katzin, Simon van Mourik, Frank Kempkes, Eldert J. van Henten Energy saving measures in optimally controlled greenhouse lettuce cultivation
12:15-12:30	Dongpil Kim, Woo Hyun Kang, Jaewoo Kim, Jin Hyun Kim, Jung Eek Son Establishment of 3D scanned parametric model database of paprika plants (<i>Capsicum annuum</i> L.) with growth stage
12:30-14:00	Lunch / Poster Presentations
Session: Crop Management,	
Chair: Thomas Bartzanas (The Agriculture University of Athens, Greece)	
14:00-14:15	Ximena Reynafarje, Maria Angelica Castillo, Rodrigo Gil, Carlos Bojacá, Eddie Schrevens Modelling tomato crop growth and development in relation to nitrogen fertilization under high altitude cold tropical conditions





14:15-14:30	Ellen Beerling, Kirsten Leiss, Bert Evenhuis, Jan Janse, Wouter Verkerke, Bert Lotz Designing a sustainable and resilient production system for glasshouse strawberries
14:30-14:45	Andres Cruz-Hernandez, Monica Sanchez, Hugo Barajas-Puga, Miguel Angel Rico, Hugo Barajas-Puga Effect of antagonism of Trichoderma spp. on soil bacterial populations in jalapeño pepper systems (<i>Capsicum annuum</i> L.var. <i>annuum</i> L.cv. Jalapeño)
14:45-15:00	Xiuming Hao, Rong Cao, Jingming Zheng, Celeste Little, Shalin Khosla, Melanie Yelton Optimizing vertical light spectral distribution to improve yield and quality in greenhouse fruit vegetable production
15:00-15:15	Ernst J. Woltering, Qianxixi Min, Celine Nicole, Leo Marcelis The relation between pre-harvest light levels and postharvest performance of lettuce
15:15-15:30	Viktorija Vastakaite, Ausra Brazaityte, Akvile Virsile, Giedre Samuoliene, Jurga Miliauskiene, Jule Jankauskiene, Algirdas Novickovas, Pavelas Duchovskis Pulsed light-emitting diodes for higher contents of mineral elements in mustard microgreens
15:30-16:00	Coffee Break / Poster Presentations
Sesison: Efficient Use of Resources	
Chair: Dr. Irineo Lopez Cruz (University of Chapingo, Mexico)	
16:00-16:15	Sasan Aliniaiefard, Mehdi Seif, Mostafa Arab, Mahbubeh Zare Mehrjerdi, Tao Li, Oksana Lastochkina Photosynthetic electron transport chain in chrysanthemum leaves under different light spectrums
16:15-16:30	Taewon Moon, Tae In Ahn, Jung Eek Son Forecasting root-zone electrical conductivity of nutrient solutions in closed-loop soilless cultures using a recurrent neural network
16:30-16:45	Dimitrios Savvas, Georgia Ntatsi A decision support system to automatically calculate and readjust nutrient solutions in commercial soilless cultivations
16:45-17:00	Ying Zhang, Murat Kacira Enhancing resource use efficiency in Plant Factory
17:00-17:15	Lembe Samukelo Magwaza, Shirly Phoku, Jacob Mashilo Photosynthetic efficiency of hydroponically-grown tomato plants to Decentralized Wastewater Treatment Systems (DEWATS) effluents and Nitrified Urine Concentrate (NUC) as nutrient sources
17:15-17:30	Dharini Sivakumar, Puffy Soundy, Peter Tinyane Postharvest responses of oregano and marjoram leaves grown under the red and pearl photo-selective shade nets
17:30-17:45	Alexandra Boini, Kushtrim Bresilla, Giulio Demetrio Perulli, Luigi Manfrini, Brunella Morandi, Luca Corelli Grappadelli Apple fruit carbon partitioning as affected by different light environments
17:45-19:00	Joint Business Meeting of Commission Horticultural Engineering and Commission Protected Cultivation

