

## Conference Program

**8 March 2010** (Monday)

Day & Date		Program Details	
<b>8 March 2010</b> (Monday)			
08:00 AM	-	09:00 AM	Registration
09:00 AM	-	10:00 AM	Tea Reception
10:00 AM	-	11:00 AM	Opening Ceremony – <i>Guest of Honor to be announced next week</i>
11:00 AM	-	12:00 NN	<p><b>First Keynote Address:</b></p> <p>Part 1: Role of ISHS in the Global Food Supply &amp; Global Hort Initiative            Part 2: Soilless Culture - the Road to Successful Plant Cultivation</p> <p>by <b>Prof. Em. Dr. W.H. Schnitzler</b> (Germany)            Chairman, ISHS Commission on Plant Substrates &amp; Soilless Culture</p>
12:00 NN	-	02:00 PM	Lunch Break
02:00 PM	-	03:00 PM	<p><b>Technical Session ONE: New Developments in Hydroponic Farming</b></p> <p>PAL-02 - <b>Dr. Mike Nichols</b> - Plant Factories - A Solution for Urban Agriculture</p> <p>PAL-05-<b>Dr. Al-Moshileh</b>- Effect of Various Potassium and Nitrogen Rates and Splitting Methods on Potato Production under Sandy Soil</p> <p>PAL-25-<b>Dr. Jie He</b> - Accumulation of Nitrate in Aeroponically Grown <i>Brassica alboglabra</i> (cv. Chinese Broccoli)</p> <p>PAL-27-<b>Dr. Bu Chongxing</b> - A Novel High Efficiency, Low Maintenance Soilless Culture System for Fruit Vegetables Production</p>
03:00 PM	-	03:30 PM	Coffee Break
03:30 PM	-	05:00 PM	<p><b>Technical Session TWO: New Developments in Substrate Culture</b></p> <p>PAL-19 – <b>Dr. Arouiee</b> - Fresh yield and Essential Oil yield of <i>Mentha x piperita</i> L. in Open Field Soilless Culture and Conventional Condition</p> <p>PAL-26 – <b>Mr. Mobini</b> - Physical Characteristics of Hydroponics Substrates, Perlite and Coconut Fibre - the Role of Porosity</p> <p>PAL-28 – <b>Mr. Khalaj</b> - Study on The Effect of Different Container Media on the Growth and Quality and Quantity Characteristic of Gerbera</p> <p>PAL-29 – <b>Dr. Arouiee</b> - Effect of Different Media on Phenological Stages of Two <i>Colchicum</i> Species Under Open Field Soilless Conditions</p>
05:00 AM	-	06:00 PM	<p><b>Poster Session:</b></p> <p>PAL-04 – <b>Dr. Jayanta Tarafdar</b> - Swamp Taro [<i>Colocasia esculenta</i> var. <i>stolonifera</i> (L.) Schott] - the remunerative and Alternative Starchy Crop</p> <p>PAL-07 - <b>Dr. Hamid Reza Roosta</b> - Physiological Aspects of Ammonium and Nitrate Nutrition in Some Vegetable Crops</p> <p>PAL-09 – <b>Miss. Cintu S</b> - Standardizing Dehydration Technology in Silver Oak (<i>Grevillea robusta</i>) and Thuja (<i>Thuja orientalis</i>) Leaves</p> <p>PAL-13 – <b>Dr. Masaharu Masuda</b> - Applicability of River Sand in Root-proof Capillary Wick Watering System for Greenhouse Tomato Production</p> <p>PAL-18 – <b>Mrs. Visalakshi, M.</b> - Learning the Crafts of Drying and Arranging Dry Flowers</p> <p>PAL-21– <b>Dr. Arouiee</b> - Effects of Different Media on <i>Valeriana officinalis</i> L. Root and Essential Oil Yield Under Open Field Soilless Culture Conditions</p>

## Conference Program

**8 March 2010** (Monday) – continued.....

Day & Date		Program Details
<b>8 March 2010</b> (Monday)		
05:00 AM	-	06:00 PM
<b><u>Exhibition:</u></b> EXB - 01 – Advance Profile Tech – Sure Grow <b>NFT Channels</b> - Australia EXB – 02 – Trans-Instruments – <b>pH &amp; EC Meters</b> - Singapore EXB – 03 – Known You Seed Company ( <b>Tropical Seeds</b> ) - Taiwan EXB – 04 – Faithful Providers ( <b>Temperate Seeds</b> ) - Singapore EXB – 05 – LushGro–Singapore <b>Hydropots, Kits, Nutrients Books, ...</b> EXB – 06 - FB Firmenbundnis Burkau AG <b>Vertical Farms</b> – Germany EXB – 07 - <b>Hydro-gardens</b> , Australia		

**9 March 2010** (Tuesday)

Day & Date		Program Details
<b>9 March 2010</b> (Tuesday)		
08:00 AM	-	09:00 AM
<b><u>Second Keynote Address:</u></b> Soilless Culture Yesterday, Today and Tomorrow by <b>Prof. Dr. Mike Nichols</b> , New Zealand		
09:00 AM	-	10:00 AM
<b><u>Technical Session THREE: New Developments in Plant Nutrition - 1</u></b> PAL-10 – <b>Dr. Alfredo Delfin</b> - Nutrient Uptake and Yields of Four Sweet potato Cultivars Grown in Soilless Culture at Three NPK Different Levels PAL-12 – <b>Dr. Kazem Arzani</b> - Growth Response of Two Young Pistachio ( <i>Pistacia vera</i> L.) Rootstock Seedlings to Boron Excess in Irrigation Water PAL-15 – <b>Mr. Reezi Saeed</b> - Effect of Silicon on Quality and Malondialdehyde Content of Cut Roses ( <i>Rosa xhybrida</i> L.) under salt stress PAL-16 – <b>Mr. Rasool Azarmi</b> - Influence of Nitrogen Form on Yield, Quality and Ionic Content of Cucumber in Soilless Culture		
10:00 AM	-	10:30 AM
Coffee Break		
10:30 AM	-	12:00 noon
<b><u>Technical Session FOUR: New Development in Organic Farming</u></b> PAL-23- <b>Mr. German Penaranda</b> - Organic Liquid Fertilizer as Base Nutrient Solution for Growing Lettuce in Hydroponics PAL-44 – <b>Prof. Kaniszewski</b> - Esterification of Organic Materials with Nitric Acid on the Physical Properties of Substrates, Nitrogen Availability & Yield of Tomato PAL-03 – <b>Dr. Jayanta Tarafdar</b> - Cultivar Evaluation and Characterization of Orange Fleshed Sweet Potato (OFSP) PAL-30 – <b>Dr. Li Qian Sheng</b> - Potential of Cowpeat as Peat Substitute in Horticultural Substrates for Foliage Plants Seedling Production		
12:00 NN	-	02:00 PM
Lunch Break		

## Conference Program

**9 March 2010** (Monday) – continued.....

Day & Date		Program Details
<b>9 March 2010</b> (Tuesday)		
02:00 PM	-	03:30 PM <b>Field Trip ONE:</b> Visit to a Hydroponic Farm
03:30 PM	-	04:00 PM Coffee Break (Snack Packets will be provided)
04:00 PM	-	05:00 PM <b>Field Trip TWO:</b> Visit to an Organic Farm
05:00 PM	-	08:00 PM <b>Social Trip ONE</b> : Visit to Sentosa Resort World

**10 March 2010** (Wednesday)

Day & Date		Program Details
<b>10 March 2010</b> (Wednesday)		
08:00 AM	-	09:30 AM <b>Technical Session FIVE</b> : <b>New Developments in Plant Nutrition - 2</b>
		PAL-31 – <b>Dr. Mohammed Albaho</b> - Influence of Fertilizer Solubility in a Closed Production System
		PAL-40 – <b>Mr. Jared Gene Barnes</b> - Characterization of Nutrient Disorders of <i>Abutilon x hybridum</i> 'Bella Yellow'
		PAL-46 – <b>Mr. A. Sorooshzadeh</b> - Effect of Copper in Hydroponic Solution on Leaves and Roots of Saffron ( <i>Crocus sativus L.</i> )
		PAL-49 – <b>Ms. Sheheli Islam</b> - Electrokinetic Treatment System for High Quality Tomato ( <i>Lycopersicon esculentum</i> ) Production
09:30 AM	-	10:00 AM Coffee Break
10:00 AM	-	11:00 AM <b>Technical Session SIX:</b> <b>New Developments in Sustainable Farming</b>
		PAL-17 – <b>Miss. Anitha</b> - Identification of Native Plant Species in Shevaroy Hills of Tamil Nadu to Develop Dry Flower Products
		PAL-22 – <b>Dr. Asadullah Al-Ajmi</b> - Barley Fodder Production with Hydroponic System using Tertiary Treated Sewage Effluent
		PAL-32 – <b>Mr. James Alexander Fair Robertson</b> - Agri-tecture – Urban Architecture Incorporating Sustainable Farming of Food Crops
11:00 AM	-	12:00 NN <b>Technical Session SEVEN:</b> <b>New Developments in Greenhouse Farming</b>
		PAL-01- <b>Dr. Mike Nichols</b> - Idiot-Proof Hydroponics - a Tool for Disaster Relief?
		PAL-11 – <b>Mr. Mohsen Arzani</b> - Position of Electric Energy Consumption in the Greenhouse Industry of Iran: Importance of using Sustainable Energy
		PAL-14- <b>Dr. Nizam Gruda</b> - Soilless Culture Systems on the Influence of Product Quality of Vegetables
		PAL-52- <b>Mr. Graeme Smith</b> - Greenhouse Cooling – Negative Pressure Effect
12:00 NN	-	02:00 PM Lunch Break

## Conference Program

**10 March 2010** (Wednesday) – continued.....

Day & Date		Program Details
<b>10 March 2010</b> (Wednesday)		
02:00 PM	-	03:00 PM
<b><u>Seminar &amp; Workshop Session ONE:</u></b> Forum Session		
Forum on Good Agricultural Practices (GAP)		
Forum Chair Person: <b>Dr. Mike Nichols</b>		
Forum Moderator: <b>Dr. Wilfried Schnitzler</b>		
Secretary: <b>Dr. Mallick / Mr. Gregory Chow</b>		
Members: All Registered Participants		
03:00 PM	-	03:30 PM
Coffee Break		
03:30 PM	-	05:00 PM
<b><u>Technical Session EIGHT:</u></b> Pest Management and Medicinal Plants		
PAL - 08 – <b>Dr. Ravindran Chandran</b> - Pathogenesis Related Proteins in Grapevine Leaves: a Possible Defense against Downy Mildew Infection		
PAL - 51 – <b>Dr. Amooaghaie</b> - Fungal Disinfection by Nanofiltration in Tomato Soilless Culture		
PAL - 48 – <b>Dr. Tae Cheol Seo</b> - Design of Movable Insect Sucking Device and Its Effect on the Catch of Small Insects and the yield of leafy vegetables		
PAL - 20 – <b>Dr. Arouiee</b> - Comparison of Roots and Essential Oil Yield of Valerian Under Field and Hydroponic Conditions		
05:00 AM	-	06:00 PM
<b><u>Poster Session:</u></b>		
PAL - 24 – <b>Mr. Karthikeyan</b> - Effect of Boron on Calyx splitting in Carnation ( <i>Dianthus caryophyllus</i> L.) var. Madame Collette		
PAL – 36 – <b>Dr. Qin Ling</b> - Influence of Exogenous Silicon on Seed Germination and Seedling Growth of Salt-stressed Tomato		
PAL – 41 – <b>Mr. Jared Barnes</b> - Characterization of Nutrient Disorders of <i>Dahlia x hybrida</i> 'Maxi Morelia'		
PAL – 42 – <b>Mr. Jared Barnes</b> - Characterization of Nutrient Disorders of <i>Senecio cineraria</i> 'Silver Mist'		
PAL – 43 – <b>Mr. Jared Barnes</b> - Characterization of Nutrient Disorders of <i>Fuchsia x hybrida</i> 'Gartenmeister Bonstedt'		
PAL - 45 – <b>Dr. Khoshgoftarmansh</b> - Using Acid-Washed Shredded Waste Tire Rubber in Soilless Media for Tomato Production		
PAL – 50 – <b>Ms. Midori Hikashi</b> - Study on Agricultural Use of Seaweed Yeast Extract		
PAL – 55 – <b>Dr. Taghavi</b> - The effect of nitrate in nutrient solution on strawberry leaf nitrate cv. Selva		
05:00 AM	-	06:00 PM
<b><u>Exhibition:</u></b>		
EXB - 01 – Advance Profile Tech – Sure Grow <b>NFT Channels</b> - Australia		
EXB – 02 – Trans-Instruments – <b>pH &amp; EC Meters</b> - Singapore		
EXB – 03 – Known You Seed Company ( <b>Tropical Seeds</b> ) - Taiwan		
EXB – 04 – Faithful Providers ( <b>Temperate Seeds</b> ) - Singapore		
EXB – 05 – LushGro–Singapore <b>Hydropots, Kits, Nutrients Books, ...</b>		
EXB – 06 - FB Firmenbundnis Burkau AG <b>Vertical Farms</b> – Germany		
EXB – 07 - <b>Hydro-gardens</b> , Australia		

## Conference Program

**11 March 2010** (Thursday)

Day & Date		Program Details	
<b>11 March 2010</b> (Thursday)			
08:00 AM	-	09:00 AM	<b><u>Technical Session NINE</u></b> : New Developments in Aquaponics
			PAL-06 – <b>Dr. Hamid Reza Roosta</b> - The Comparison of the Concentration of Nutrient Elements in Basil plants in Hydroponics and Aquaponics
			PAL-34 – <b>Dr. Chia Eng Hock</b> - Saltwater Aquaponics: The Next Biotech Revolution at the Intersection of Climate Change Mitigation, Coral Reef ....
			PAL-47 – <b>Mr. Edoardo Pantanella</b> - Aquaponics and Food Safety: Effects of UV Sterilization on Total Coliforms and Lettuce Production
09:00 AM	-	09:30 AM	Coffee Break
09:30 AM	-	11:00 AM	<b><u>Technical Session TEN</u></b> : New Developments in Plant Nutrition - 3
			PAL-33 – <b>Dr. Hamid Reza Roosta</b> - Effect of Foliar Application of Salicylic Acid on Vegetative Growth and Physiological Parameters of Eggplant
			PAL-35 – <b>Mr. Mousa Torabi</b> - Effects of Growing Media Type on Yield and Growth of Strawberry in a Hydroponic System
			PAL-37 – <b>Mr. Ferdous Rahimi</b> - Effects of pH of Nutrient Solution on Vegetative Growth, Chlorophyll Fluorescence & Some Elements in Basil
			PAL-38 – <b>Dr. Banful</b> - Rooting Response of "Difficult-to-Root" <i>Thuja occidentalis</i> to Different Soilless Media and Stem Propagation Techniques
11:00 AM	-	12:00 noon	<b><u>Technical Session ELEVEN</u></b> : New Developments in Agri-Tourism
			PAL-39 – <b>Dr. Wan Abdullah</b> - MARDI Cameron Highlands Agrotechnology Park – R&D and Agrotourism industry
			PAL-54 – <b>Ms. Rebecca Nelson &amp; Mr. John Pade</b> - Agro tourism
12:00 NN	-	02:00 PM	Lunch Break
02:00 PM	-	03:30 PM	<b><u>Seminar &amp; Workshop Session TWO</u></b> : SWS -01– <b>Ms. Rebecca Nelson &amp; Mr. John Pade</b> - Designing & Operating Aquaponic Systems
03:30 PM	-	04:00 PM	Coffee Break
04:00 PM	-	05:00 PM	<b><u>Seminar &amp; Workshop Session TWO</u></b> : (continued) SWS -01– <b>Ms. Rebecca Nelson &amp; Mr. John Pade</b> - Designing & Operating Aquaponic Systems
05:00 PM	-	08:00 PM	<b><u>Field Trip THREE</u></b> : Visit to an Orchid Farm & Dinner
08:00 PM	-	10:00 PM	<b><u>Social Trip TWO</u></b> : Farewell to the delegates – at the "Night Safari"



## Conference Program

### 12 March 2010 (Friday)

Day & Date	Program Details		
<b>12 March 2010 (Friday)</b>	<b>Field Trip FOUR:</b>		
07:00 AM	-	08:00 AM	Participants meet at Suntec Singapore Main Lobby
08:00 AM	-	05:00 PM	Bus leaves Singapore for Cameron Highlands (Malaysia)
05:00 PM	-	06:00 PM	Arrival Cameron Highlands & Four Star Hotel Check-In & Freshen-up
06:00 PM	-	07:00 PM	Visit Farm Market & Shopping
07:00 PM	-	Good Night	<b>Night Halt – Four Star Hotel</b>
<b>Lunch &amp; Dinner – Free &amp; Easy by participants at their own cost</b> – chance to relish local delicacies  <b>Currency Exchange Facility will be provided in the bus itself at the prevailing market rates</b>			

### 13 March 2010 (Saturday)

Day & Date	Program Details		
<b>13 March 2010 (Saturday)</b>			
07:00 AM	-	09:00 AM	Breakfast provided at the Four Star Hotel
09:00 AM	-	10:00 AM	Hydroponic Strawberry Farm
10:00 AM	-	11:00 AM	Hydroponic Vegetable Farm
11:00 AM	-	12:00 NN	Hotel Check-Out & the Bus leaves for Singapore
12:00 NN	-	09:30 PM	Travel & Reach Singapore – Suntec Singapore Main Lobby
09:30 PM	-	Good Night	<b>Sayonara! Bye, Bye! See you in 2015! .....</b>
<b>Lunch &amp; Dinner – Free &amp; Easy by participants at their own cost</b> – chance to relish local delicacies  <b>Currency Exchange Facility will be provided in the bus itself at the prevailing market rates</b>			

**VERY IMPORTANT NOTE:**

\* Participants to the Field Trip to Cameron Highlands should submit a copy of their passport to the Travel Agent at the Registration Desk at the time of Registration

\* Delegates should check VISA requirement to ENTER Malaysia and also to RE-ENTER Singapore from Malaysia – citizens from certain countries need visa – please check with your travel agent and/or the Malaysian & Singapore High Commissions in your country and get the formalities done. The ICESC-2010 Organizing Committee STRICTLY SHALL NOT be liable or responsible for any action taken by the Immigration Authorities. However, the ICESC-2010 Secretariat will be pleased to give the delegates an introductory letter to the Malaysian & Singapore High Commissions in your country to facilitate the VISA approval prior to your departure from your country