

Sunday 26th June			
09:30 - 10:00	Registration & Ice Breaking coffee		
09:45 - 10:00	Loading of oral presentations (AV room)		
10:00 - 10:30	Welcome	Welcome speech	Yrjö ROOS Laurent FORNY
Session 1		Water binding, transport and function in powders and solids	Jukka RANTANEN
10:30 - 11:00	Keynote 1-1	Physical Stability of Solid Food Products: Impact of moisture and physical state	Vincent MEUNIER
11:00 - 11:20	Talk 1-1	Study of water uptake of extruded breakfast cereal models: impact of sucrose and water content during processing	Supuksorn MASAVANG
11:20 - 11:40	Talk 1-2	Water and Food Component Interactions (Protein-Lipid-Carbohydrate) in High Solids Systems	Yrjö ROOS
11:40 - 12:00	Talk 1-3	Determination of fragility of salmon gelatin-carbohydrate composites films at various moisture content	Pepcynska MARZENA
12:00 - 13:00	Lunch & Sponsors exhibition		
13:00 - 14:00	Plenary 1	Water Relations In Food: 50 +Years of History to defy “Cook and Look”	Ted LABUZA
14:00 - 14:30	Coffee break & Sponsors exhibition		
Session 2		Water binding, transport and function in soft materials and biological systems	Helene SIMONIN
14:30 - 15:00	Keynote 2-1	Sugar stereochemistry effects on water structure and on protein stability: The templating concept	Yoav LIVNEY
15:00 - 15:20	Talk 2-1	Protein-matrix interactions in trehalose/glycerol mixtures at low water contents	Adrien LEBRET
15:20 - 15:40	Talk 2-2	The solvent dynamical transition is a necessary precursor to promote the protein unfolding	Giuseppe BELLAVIA
15:40 - 16:00	Talk 2-3	Effects of plasticizers on physical and barrier properties of whey protein isolate-carboxy methyl cellulose blend films	Nathdanai HARNKARNSUJARIT
16:00 - 16:20	Talk 2-4	Recrystallization of ice crystals in trehalose and raffinose solutions	Phatthranit KLINMALAI
16:30 - 18:00	Visit of the olympic museum		
18:00 - 19:30	Welcome Cocktail		

Monday 27th June			
08:15 - 08:30	Loading of oral presentations (AV room)		
Session 3		Water transport across phase boundaries	Francois LEQUEUX
08:30 - 09:00	Keynote 3-1	Modeling structure/mass transfer properties in biocomposites : impact of the filler/matrix interface	Nathalie GONTARD
09:00 - 09:20	Talk 3-1	Stability of PLA at temperatures far and close Tg in dry and wet environments	Jean Carlo ROCCA SMITH
09:20 - 09:40	Talk 3-2	Sintescence: A new name for complex solid-solid interactions between amorphous and crystalline ingredients	Laurent FORNY
09:40 - 10:00	Talk 3-3	Amorphous-amorphous phase separation in hydrophobically-modified starch-sucrose blends	Job UBBINK
10:00 - 10:15	Posters	Posters Flash presentations	All posters owners
10:15 - 10:45	Coffee break & Sponsors exhibition & Posters		
10:45 - 11:15	Keynote 3-2	Wetting of hydrosoluble materials and its relation to water transfers	Francois LEQUEUX
Session 4		Water in structure engineering	Alejandro MARAGONI
11:15 - 11:45	Keynote 4-1	Molecular inclusion of gases by amorphous structure of - cyclodextrins	Bhesh BHANDARI
11:45 - 12:05	Talk 4-1	Importance of moisture in grain processing and products	Linda BRUTSCH
12:05 - 12:25	Talk 4-2	Water-Induced Relaxation in Amorphous Food Solids: Water Sorption Isotherms, Crystallization and Structural Strength	Yrjö ROSS
12:30 - 13:30	Lunch & Sponsors exhibition & Posters		

13:30 - 14:30	Plenary 2	Water in pharma application	Lynne TAYLOR
14:30 - 15:00	<i>Coffee break &amp; Sponsors exhibition &amp; Posters</i>		
15:00 - 15:20	Talk 4-3	A new method for probiotic encapsulation in dairy matrices allowing rehydration or suspension of the powder depending on water temperature	Claire GAIANI
<b>Session 5</b>		<b>Measuring techniques and modeling of water in complex structures</b>	Dominique CHAMPION
15:20 - 15:50	Keynote 5-1	Protein denaturation and stabilization during freeze-drying analyzed from in-situ micro Raman investigations	Alain HEDOUX
15:50 - 16:10	Talk 5-1	Determination of Glass Transition and Material Characteristics of Powders Using Sample Visualization and Analysis	Zachary CAMPBELL
16:10 - 16:30	Talk 5-2	Analysis method for the determination of water vapour sorption by packaged food products	Roman KIRSCH
16:30 - 16:50	Talk 5-3	Measuring moisture diffusivity thermogravimetrically	Jimmy PERDANA
16:50 - 17:10	Talk 5-4	Drying by desorption: a method to determine the behavior of food and dairy products in relation to the water availability to spray drying and to optimize the energy costs	Pierre SCHUCK
18:30 - 21:00	<i>Dinner in Movenpick hotel</i>		

<b>Tuesday 28th June</b>			
08:15 - 08:30	<i>Loading of oral presentations (AV room)</i>		
<b>Session 5</b>		<b>Measuring techniques and modeling of water in complex structures</b>	Alain HEDOUX
08:30 - 08:50	Talk 5-5	Water Mobility Measurement and Its Application in Product Development	Yang KOU
08:50 - 09:10	Talk 5-6	Optical Methods for Water Activity Measurement in the Presence of High Volatile Concentrations	Brady CARTER
<b>Session 1</b>		<b>Water binding, transport and function in powders and solids</b>	Vincent MEUNIER
09:10 - 09:40	Keynote 1-2	Exploring the role of water in manufacturing of future pharmaceuticals	Jukka RANTANEN
09:40 - 10:00	Talk 1-4	Reconstitution and flow properties of carbohydrates powders	Julien DUPAS
10:00 - 10:30	<i>Coffee break &amp; Sponsors exhibition &amp; Posters</i>		
10:30 - 10:50	Talk 1-5	The amorphization of vitamins C and B1, and resulting effects on physical and chemical stability	Lisa MAUER
10:50 - 11:10	Talk 1-6	Casein powder rehydration decrease during storage is linked to a stiffer particle surface	Jennifer BURGAIN
11:10 - 11:30	Talk 1-7	Coupling Structure-Property Relationships of Pharmaceutical and Food Solids for Formulation and Solubilization/Dissolution Approaches	Rodolfo PINAL
<b>Session 2</b>		<b>Water binding, transport and function in soft materials and biological systems</b>	Yoav LIVNEY
11:30 - 12:00	Keynote 2-2	The role of water in bacterial spore resistance	Helene SIMONIN
12:00 - 12:20	Talk 2-5	X-ray CT analysis of frozen Sephadex gel beads	Norio MURASE
12:30 - 13:30	<i>Lunch &amp; Sponsors exhibition &amp; Posters</i>		
13:30 - 14:30	Plenary 3	Water in food application	Stefan PALZER
14:30 - 15:00	<i>Coffee break &amp; Sponsors exhibition &amp; Posters</i>		
15:00 - 15:20	Talk 2-6	Binding of Divalent Cations to Polygalacturonate: a Mechanism Driven by the Hydration Water	Ali ASSIFAOU
15:20 - 15:40	Talk 2-7	Theoretical insights in WHC	Ruud VAN DER SMAN

Session 4		Water in structure engineering	Erich WINDHAB
15:40 - 16:00	Keynote 3-2	Hydrophillic hard microspheres used to modulate water binding, food texture and stability	Alejandro MARANGONI
16:00 - 16:20	Talk 3-4	Simulation and analysis of the breakup behavior of a water drop in air flows	Franz TANNER
16:20 - 16:40	Talk 3-5	The gentle spray processing of oil-in-water emulsions using a pressure driven rotary rayleigh breakup nozzle	William CASE
16:40 - 17:00	Talk 3-6	Thermal properties and molecular mobility of amorphous trehalose-limonene matrices obtained by different glass-forming approaches: desolvation vs solid state	Paola PITTIA / Lilia NERI
18:30 - 21:00	Gala Dinner in the Beau Rivage Palace		

Wednesday 29th June			
08:15 - 08:30	Loading of oral presentations (AV room)		
Session 1		Water binding, transport and function in powders and solids	Jukka RANTANEN
08:30 - 09:00	Keynote 1-3	Designed microstructures to control the water transport in barriers and coatings	Anette LARSSON
09:00 - 09:20	Talk 1-8	Structure-function relationships of salt crystals: towards a better understanding of dissolution	Isabelle Déléris
09:20 - 09:40	Talk 1-9	Experimental study of sucrose caking	Sophie SAMAIN
09:40 - 10:00	Talk 1-10	Moisture migration in high-protein intermediate moisture foods	Peng ZHOU
10:00 - 10:20	Talk 1-10	Tuning the flow response of materials after probing their properties at the surface and bulk levels	Teresa CARVAJAL
10:20 - 10:45	Coffee break & Posters		
Session 1		Water binding, transport and function in powders and solids	Jukka RANTANEN
10:45 - 11:05	Talk 1-11	Short time powder decontamination by novel vacuum-steam-vacuum processing	Gene LAM
11:05 - 11:25	Talk 1-12	Drying kinetics, coalescence and agglomeration of dairy products particles during spray drying	Loredana MALAFRONTÉ
11:25 - 12:00	Plenary 4	Closure talk	Erich WINDHAB
12:00 - 13:00	Lunch & Posters		

