SATURDAY 17 MAY

Session	Chair	Start Time	End Time	Presenter	Title
Open Lecture (Rokko Hall)	Kato Yasuhiro	10:00	10:07	Kato Yasuhiro	挨拶
		10:07	10:37	Roumiana Tsenkova	「20年前からアクアフォトミクスが歩んだ道」
		10:37	11:07	Shigeaki Morita	「赤外分光とデータ解析による高分子の水和構造分析」口
		11:07	11:30	Yoko Osafune	「美とアクアフォトミクス」
		11:30	12:00	Shogo Shigeoka	「アクアフォトミクスの実用化と未来への展望」
Lunch Break (Takigawa Kaikan)		12:00	13:00		

Session	Time	Session	Time	Session	Time
Aquaphotomics School Beginner English (Rokko Hall)	13:00 - 14:30	**Aquaphotomics School Beginner Japanese (C101)**	13:00 - 14:30	**Aquaphotomics Workshop (B101)**	13:00 - 14:30
Coffee Break		14:30	14:50		
Aquaphotomics School Advacned (Rokko Hall)	14:50 - 17:50			**Aquaphotomics Workshop (B101)**	14:50 - 17:30
Welcome Reception (Takigawa Kaikan)		18:00			

SUNDAY 18 MAY

Session	Chair	Start Time	End Time	Length	Presenter	Title
Session 1: Aquaphotomics Overview	Takaharu Sasaki	9:00	9:25	20 min + Q&A 5 min	**Keynote Speaker:** Roumiana Tsenkova	Aquaphotomics: Past, Present, Future
		9:25	9:50	20 min + Q&A 5 min	Yukihiro Ozaki	Noninvasive Analysis of Water Structure and Contents by use of Raman Spectroscopy
		9:50	10:15	20 min + Q&A 5 min	Zoltan Kovacs	Recent Results of Near Infrared Spectroscopy and Aquaphotomics in Food science and Beyond
		10:15	10:40	20 min + Q&A 5 min	Aleksandar Stoilov	A Modern Understanding of Water Coherence with NIR Aquaphotomics
Coffee Break		10:40	11:00	20 min		
Session 2: Aquaphotomics in Agriculture	Stefka Atanassova	11:00	11:25	20 min + Q&A 5 min	**Keynote Speaker:** Stefka Atanassova	Aquaphotomics approach application in agriculture
		11:25	11:40	12 min + Q&A 3 min	Shiromi Dissanayaka	NIR Aquaphotomics Approach for Soil–Plant-Water Interrelations: A Multivariate Spectral Evaluation of Phenological Stages and Soil Parameters
		11:40	11:55	12 min + Q&A 3 min	Yuda Hadiwijaya	Non-Invasive Monitoring of Organic Fertilizer Effects on Soil and Plants using NIR Aquaphotomics
		11:55	12:10	12 min + Q&A 3 min	Mariana Santos-Rivera	Aquaphotomics for Coffee: Monitoring the Impact of Microbial Post-Harvest Processing on Brewed Coffee Using NIR Spectroscopy
		12:10	12:25	12 min + Q&A 3 min	Saba Behdad	Detection of Egg Fertility in chicken by water and Aquaphotomics
Lunch and Short Poster Presentations		12:25	13:25	60 min		
Session 3: Quantum Electrodynamics (Part 1)	Paolo Renati	13:25	13:50	20 min + Q&A 5 min	**Keynote Speaker:** Pierre Madl	Quantumbiology
		13:50	14:15	20 min + Q&A 5 min	Paolo Renati	QED and Field Perspective applied to Water and Living Systems
		14:15	14:35	15 min + Q&A 5 min	Nigel Dyer	The room temperature super-fluidic properties of water
		14:35	14:55	15 min + Q&A 5 min	Elmar Cristof Fuchs (On-line)	Measurable Effects of Vibrational Coupling of Water? In Search of Coherence Domain
		14:55	15:20	20 min + Q&A 5 min	Livio Giuliani (On-line)	Ion Cyclotron Resonance, the electricity of life: the needed role of geomagnetism and Schumann waves in living cells
Coffee Break		15:20	15:40	20 min		
Session 4: Aquaphotomics in Medicine and Cosmetics	Lian Li	15:40	16:05	20 min + Q&A 5 min	**Keynote Speaker:** Hengchang Zang	Study on quality control of traditional Chinese medicine -- water as a probe
		16:05	16:30	20 min + Q&A 5 min	Lian Li	Aquaphotomics application in the analysis of biomolecular interactions
		16:30	16:50	15 min + Q&A 5 min	Wieland Lackinger	Near-infrared spectroscopy combined with aquaphotomics as a non-invasive tool to measure parameters of human physiology: A review of own work and suggestions for future research
		16:50	17:15	20 min + Q&A 5 min	Ilina Iozdanova (On-line)	Coming soon
		17:15	17:40	20 min + Q&A 5 min	Michal Cifra (On-line)	Ubiquitous Biological Autoluminescence Generated by Chemiexcitation
		17:40	17:55	12 min + Q&A 3 min	Xiaobo Ma (On-line)	Study on hyaluronic acid aquaphotomics-from one dimension to two dimension analysis
Poster Discussions		18:00				

MONDAY 19 MAY

Session	Chair	Start Time	End Time	Length	Presenter	Title
Session 5: Quantum Electrodynamics (Part 2)	Antonella De Ninno	9:00	9:25	20 min + Q&A 5 min	**Keynote Speaker:** Giuseppe Vitiello	Bayes' rule, entanglement and free will in the dissipative quantum model of brain
		9:25	9:50	20 min + Q&A 5 min	Antonella De Ninno	From apparent chaos to order: the free-scale systems
		9:50	10:15	20 min + Q&A 5 min	Luca Gamberale	Between Order and Chaos: The Two-Fluid Symphony of Water's Anomalies
		10:15	10:40	20 min + Q&A 5 min	Sumiyoshi Abe	Similarity/dissimilarity between brain quakes and earthquakes
Coffee Break		10:40	11:00	20min		
Session 6: Aquaphotomics and Quantum Electrodynamics	Anirban Bandyopadhyay	11:00	11:25	20 min + Q&A 5 min	**Keynote Speaker:** Anirban Bandyopadhyay	Aquaphotomics: Illuminating Water's Hydration Networks and Light - Madiated Information Flow in the Genesis of Consciousness
		11:25	11:50	20 min + Q&A 5 min	William Brown and Nassim Haramein	From Vacuum Oscillations to Water Molecular Coherence
		11:50	12:15	20 min + Q&A 5 min	Joachim Keppler	Self-Organized Criticality in the Brain: Shedding Light on the Emergence of Synchronized Neural Activity Patterns and the Formation of Conscious States
		12:15	12:40	20 min + Q&A 5 min	Jack Tuszynski (On-line)	Investigations of morphological, electro-conductive and metabolic changes in cancer cells resulting from exposure to low-intensity electromagnetic fields
Lunch and Sponsor Presentation		12:40	13:40	60 min	Shigeoka Co., Ltd. Dr. Recella Co., Ltd. Asue Co., Ltd.	
Session 7: Spectroscopy	Justyna Grabska	13:40	14:05	20 min + Q&A 5 min	**Keynote Speaker:** Sylvie Roke	Quantifying hydrogen bonds in water and in aqueous systems
		14:05	14:30	20 min + Q&A 5 min	Justyna Grabska	Understanding Water Through Anharmonicity: A Theoretical and Spectroscopic Perspective
		14:30	14:50	15 min + Q&A 5 min	Olga Yablonskaya (On-line)	Effects of Infrared-Irradiated Water Vapor on Aqueous Solutions and Biological Systems
		14:50	15:15	20 min + Q&A 5 min	Masaru Tanaka	Effect of water structure on cell/protein/material interactions: Intermediate water concept for advanced medical devices
Coffee Break		15:15	15:35	20 min		
Session 8: Spectroscopy, Instrumentation and Chemometrics (Part 1)	Shigeaki Morita	15:35	16:00	20 min + Q&A 5 min	**Keynote Speaker:** Shigeaki Morita	Structure of Water in Polymer Matrices Investigated by Infrared Spectroscopy
		16:00	16:25	20 min + Q&A 5 min	Krzysztof B. Bec (On-line)	State of water in various molecular environments – physical insights from combined vibrational spectroscopy, chemometrics and theoretical modelling
		16:25	16:50	20 min + Q&A 5 min	Christian W. Huck (On-line)	Modern Approaches in NIR Spectroscopy: Miniaturization, Interpretability, Method Design
		16:50	17:15	20 min + Q&A 5 min	Akifum Ikehata	Hydration and Hydrolysis Studies Using Near-Infrared Spectroscopy: Quantification by Extended Molar Absorption Coefficient
		17:15	17:40	20 min + Q&A 5 min	Federico Marini (On-line)	Coming Soon
General Assembly		17:40	18:30	50 min		
Banquet Dinner		19:00				

TUESDAY 20 MAY

Session	Chair	Start Time	End Time	Length	Presenter	Title
Session 9: Spectroscopy, Instrumentation and Chemometrics (Part 2)	Aleksandar Stoilov	9:00	9:15	12 min + Q&A 3 min	**Keynote Speaker:** Daniel Todorov	VIS-NIR Spectral Measurements Complying with Aquaphotomics Standards
		9:15	9:40	20 min + Q&A 5 min	Marcello Vanzulli	Coming Soon
		9:40	9:55	12 min + Q&A 3 min	Yasuhiro Kato	Establishment of a Redox Evaluation Method Based on Differences in Hydration Structure around GSH/GSS
		9:55	10:10	12 min + Q&A 3 min	Matyas Lukacs	Comparison of the performance and regression vectors of various NIRS data-based regression models for the prediction of caffeine content in aqueous solutions
		10:10	10:25	12 min + Q&A 3 min	Zoltan Gillay	From Black Box to Clarity: Leveraging Explainable Neural Networks in Aquaphotomics Research
Coffee Break		10:25	10:45	20 min		
Session 10: Aquaphotomics in Food	Tiziana M.P. Cattaneo	10:45	11:10	20 min + Q&A 5 min	**Keynote Speaker:** Tiziana M.P. Cattaneo	The Importance of the Aquaphotomics Discipline for the Food Sector: Why, When, Where and How
		11:10	11:25	12 min + Q&A 3 min	Flora Vitalis	Understanding water structure changes in fruit juices induced by plant extracts using aquaphotomics
		11:25	11:40	12 min + Q&A 3 min	Massimo Brambilla	Aquaphotomics for Quality Assessment by Chemical Markers in Dehydrated Pineapple
		11:40	11:55	12 min + Q&A 3 min	Muna E. Raypah (On-line)	Bridging Spectroscopy and Water Functionality: Insights from Aquaphotomics in Life and Food Science
		11:55	12:10	12 min + Q&A 3 min	Uma Kamboj	Coming Soon