

*[11103] indicate on 8/11, 1st session, presenter#3

ICTCA Sessions

No	Group	Presenter	Abstract Title
8201	Applications of HPC in Acoustics1	Noriyuki Kushida	Leveraging High-Performance Computing for Global Scale Underw
8202	Applications of HPC in Acoustics2	Kuangcheng Wu	Utilize High Performance Computing for Flow-induced Vibration and
8303	Applications of HPC in Acoustics3	Timothy Walsh	Design and Inverse Problems in Structural Acoustics: Fusing Expe
10101	Computational Acoustics1	Patrick Heidegger	Simulating the Fluid-Structure-Acoustic Interaction of the Confined I
10102	Computational Acoustics2	Pai-Chen, Guan	Reconstruction of sound field caused by unknown acoustic source
10103	Computational Acoustics3	Steffen Marburg	Towards Large-Scale Boundary Element Simulations for Visco-The
10204	Computational Acoustics4	Paul Maurerlehner	Finite element time domain equivalent fluid model for the acoustic w
11101	Interdisciplinary01	Nicholas Durofchalk	Modeling sea surface noise in the presence of seamounts and oce
11102	Interdisciplinary02	Tsu-Wei, Tan	Passive Coastal Ocean Probing by Cross-Correlating Ambient Sou
11103	Interdisciplinary03	Tsai Meng Fan	Simulation of the pile driving noise with the vertical vibratory hamme
11204	Interdisciplinary04	Ian Bacon	Improved computational efficiency of vibration-based sound power
11205	Interdisciplinary05	Matthew Walters	Design of Acoustic Noise Interferometry Network for Placement in
11206	Interdisciplinary06	Jacob Nuttall	Ship Noise Characteristics using a Viscous Grain Shearing Model c
11207	Interdisciplinary07	Jay Spendlove	Information geometric approaches to finding reduced-parameter m
11208	Interdisciplinary08	Mariia Bronzova	Trim-Structure interface simulation techniques based on Finite Elen
11209	Interdisciplinary09	Elfgard Kuehnicke	Wave Propagation in Layered Media
11210	Interdisciplinary10	Mingyang Sui	Nodes and Driving Optimization of the High-Capacitance Transduc
7201	Shallow Water Acoustics1	Zhen Wang	Analysis of Temporal Fluctuations of Acoustic Energy Caused by S
7202	Shallow Water Acoustics2	Qianchu Zhang	The simulation of low-frequency ocean noise intensity in the shallow
7203	Shallow Water Acoustics3	He Li	Passive depth estimation using a single vector hydrophone in deep
8104	Shallow Water Acoustics4	Jing Guo	Source Localization in the time_varying and range-dependent Envir
8105	Shallow Water Acoustics5	Qiannan Hou	The Inversion of the Centimeter-Scale Roughness of Seafloor Usin
8106	Shallow Water Acoustics6	Zhendong Zhao	Underwater Acoustic Field Control Based on Vertical Directional En
8107	Shallow Water Acoustics7	Lin Jianheng	Point Source Distribution Model of Ship Noise in Shipping Channel
9101	Shear Waves in Underwater Acoustics1	Abram H. Clark	Shear rigidity and acoustics in granular media.
9102	Shear Waves in Underwater Acoustics2	Oleg Godin	Sound scattering by thin shells: are the thin-shell and thick-shell the
9103	Shear Waves in Underwater Acoustics3	Anatoly Ivakin	A hybrid approach to under-ice sound propagation.
9204	Shear Waves in Underwater Acoustics4	Derek Olson	Sensitivity of passive bottom loss measurements to shear baseme
9205	Shear Waves in Underwater Acoustics5	Piotr Borejko	A theoretical investigation of sound propagation in shallow water at
9306	Shear Waves in Underwater Acoustics6	Oleg Godin	Normal mode propagation over range-dependent seabed with weal
9307	Shear Waves in Underwater Acoustics7	Dag Tollefsen	Inverse modeling for sediment shear properties: Two shallow-wate
9308	Shear Waves in Underwater Acoustics8	Charles Holland	Range-dependent seabed effects on shear resonances and long-r
7101	Sound field fluctuations in underwater variable environment1	Ivana Escobar	Extracting acoustic travel times from modeled ocean circulation.
7202	Sound field fluctuations in underwater variable environment2	Marina Yarina	Modal Structure of the Sound Field in a Shallow-Water Waveguide
10301	Visualizing Sound Fields in 3D Space1	Sean Wu	Locating sound sources inside a solid enclosure.
10302	Visualizing Sound Fields in 3D Space2	Sean Wu	Targeted noise control.
10303	Visualizing Sound Fields in 3D Space3	Lingguang Chen	Vibroacoustic Characteristics of a Utility Terrain Vehicle. Part I: Vib
10304	Visualizing Sound Fields in 3D Space4	Yazhong Lu	Vibroacoustic Characteristics of a Utility Terrain Vehicle. Part II: Ac

8/6 Sun		8/7 Mon	8/8 Tue	8/9 Wed	8/10 Thu	8/11 Fri
	9:00 9:50	9:30-10:10 REGISTRATION	<i>Plenary Lecture</i> Oleg A. Godin Department of Physics Naval Postgraduate School, CA, USA.	<i>Plenary Lecture</i> Elke Deckers KU Leuven Campus, Diepenbeek Belgium	<i>Plenary Lecture</i> Stefan Schoder Graz University of Technology, Graz, Austria	<i>Interdisciplinary Session (I)</i> Presentation#1, 2, 3
16:00- 18:00	09:50 10:10	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
REGISTRATION Welcome Snack Bar	10:10 11:40	10:10 WELCOME 10:15-11:15 <i>Plenary Lecture</i> Boris Katsnelson University of Haifa, Israel	10:10-12:10 <i>Structured Session</i> Shallow Water Acoustics (II) Organizer: Juan Zeng Presentation#4, 5, 6, 7	<i>Structured Session</i> Shear Waves in Underwater Acoustics (I) Organizers: Oleg Godin and Charles Holland Presentation#1, 2, 3	<i>Structured Session</i> Computational Acoustics (I) Organizer: Stefan Schoder Presentation#1, 2, 3	<i>Interdisciplinary Session (II)</i> Presentation#4, 5, 6, 7, 8, 9, 10
	11:40 14:00	11:15-13:30 Noon Break	12:10-13:30 Noon Break	Noon Break	Noon Break	11:55 CLOSING CEREMONY
	14:00 15:10	<i>Structured Session</i> Sound Field Fluctuations in Underwater Variable Environment Organizer: Boris Katsnelson Presentation# 1, 2	<i>Structured Session</i> Applications of HPC in Acoustics (I) Organizers: Ying-Tsong Lin and Kuangcheng Wu Presentation#1, 2	<i>Structured Session</i> Shear Waves in Underwater Acoustics (II) Organizers: Oleg Godin and Charles Holland Presentation#4, 5	<i>Structured Session</i> Computational Acoustics (II) Organizer: Stefan Schoder Presentation#4	FAREWELL
	15:10 15:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
	15:30 17:00	<i>Structured Session</i> Shallow Water Acoustics (I) Organizer: Juan Zeng Presentation#1, 2, 3	<i>Structured Session</i> Applications of HPC in Acoustics (II) Organizers: Ying-Tsong Lin and Kuangcheng Wu Presentation#3	<i>Structured Session</i> Shear Waves in Underwater Acoustics (III) Organizers: Oleg Godin and Charles Holland Presentation#6, 7, 8	<i>Structured Session</i> Visualizing Sound Fields in 3-D Space (I) Organizer: Sean Wu Presentation#1, 2, 3, 4	
	17:30 19:30			BANQUET		