

Monday 13 August 2012

Time	Event	Location
4:00 PM	Registration Desk and Media Center open	Clove Room (Level 5)
6:00 PM	Welcome Reception	Poolside (Level 7)
8:00 PM		

Tuesday 14 August 2012

Start Time	Session 1 (Phoenix I)			Parallel Session 2 (Phoenix II)			Session 3 (Paprika)			
	Paper number	Presenter	Title	Paper number	Presenter	Title	Paper number	Presenter	Title	
8:30 AM	Welcome		Alfred Huan							
8:45 AM	Keynote 1	Kenneth Suslick								
9:00 AM										
9:15 AM										
Session	Noise			Numerical I			Erosion I			
9:30 AM	59	Li Chao	Observation the inception and movement of cavitation bubble in liquid whistle	264	Spyros Kinnas	Numerical Method for the Analysis of Cavitating Waterjet Propulsion Systems	10	Laurent Ton-That	Cavitation erosion behavior of high strength steels	
9:45 AM	151	Jan Hallander	Predicting underwater radiated noise due to a cavitating propeller in a ship wake	275	Qiang Sun	Non-Singular Boundary Integral Method and Its Applications to Underwater Bubble Explosion	38	Liang Jiang	Cavitation Erosion in Aqueous Solutions Containing Surface-Active Solutes	
10:00 AM	Tea and coffee break 1									
Session	Measurements I			Bio			Erosion II			
10:30 AM	295	Ilyass Khilifa	FAST X-RAY IMAGING FOR VELOCITY MEASUREMENTS IN CAVITATING FLOWS	32	Jun Zou	Particle removal in the tube with single cavitation bubble	64	Naoto Kaida	Collapses of Cavitation Cloud and Pressure Wave Propagation in Cavitating Water Jet Obliquely Impinging on Solid Wall	
10:45 AM				60	Kazuo Maruyama	Gene Delivery System by Cavitation of Bubble Liposome and Ultrasound in Cancer Therapy	148	Rickard Bensow	Hydrodynamic Mechanisms in Cavitation Erosion	
11:00 AM	58	Zhao Meng Hua	Application of image processing method in water impact force measurement	102	Yufeng Zhou	Bubble dynamics with the progress of histotripsy	105	Akihiro Nimura	Effect of temperature on cavitation erosion of 9Cr steel in liquid metal	
11:15 AM	76	Hong-Hui Shi	A High-Speed Towing Tank for Hydrodynamics and Cavitation Experiments	106	Shigeki Kato	Drug delivery system with acoustic liposomes via the lymphatic vessels	107	Michael Eissele	Modular testing rack for generating and experimental investigation of aggressive cavitation erosion	
11:30 AM	119	Ian Butterworth	Correlated multi-parameter detection of flow cavitation in a reference pump loop	228	Zheng Zheng Wong	Bubble Evolution in Acoustic Droplet Vaporization at Room Temperature via Ultra-High Speed Imaging	103	Keisuke Taruya	Cavitation Erosion of Silver Plated Coating Considering Thermodynamic Effect	
11:45 AM	174	Stefan Borchert	ON OPTICAL QUANTIFICATION OF CAVITATION PROPERTIES	220	Kazuyasu Sugiyama	Surface stability of an encapsulated bubble in an ultrasound field	150	Francois Lafleur	Vibratory detection system of cavitation erosion: historic and algorithm validation	
12:00 AM	45	Xiaoxing Peng	A New Cavitation Tunnel for Basic Research in CSSRC	269	Zhen Xu	Inception of cavitation microbubble clouds in tissue-mimicking media during histotripsy	223	Masashi Fukaya	Cavitation Jet Simulation for Predicting Residual Stress Improvement of Cylindrical Structure by Water Jet Peening	
12:15 PM	208	Jy-An Wang	Development of a Pulsed Pressure-Based Technique for Cavitation Damage Study	274	Shih-Tsung Kang	DNA-Conjugated Gold Nanoparticles as Ultrasound-Responsive Drug Delivery Systems	12	Ge Han	Formation and Progression of Iridescent Rings around Cavitation Erosion Pits	
12:30 PM	210	Sebastian Lang	Spatial and Temporal High Resolution Measurement of Bubble Impacts	272	Faisal Mahmud	Ultrasonic Surgical Aspirator Modeling for Brain Tumor Annihilation Simulation	128	Tapiwa Mutasa	Evaluation of ultrasonic reactor for material processing	
12:45 PM	Lunch + Poster Session 1									
1:00 PM										
1:15 PM										
Session	Measurements II			Bubbly flows and cloud cavitation			Cleaning			
1:30 PM	215	Steven Ceccio	Time Resolved Two Dimensional X-Ray Densitometry of Ventilated Partial Cavity	52	David Tan (Yuan Lu)	Generation and Transport of Bubble Clouds in High-Intensity Focused Ultrasonic Fields	7	Ho-Young Kim	Observations of disruptive bubble behavior and micro-pattern damage in ultrasonic cleaning	
1:45 PM	256	Eric Ebert	Concept for optical full-scale measurements of ship propeller inflow and bubble size distribution	132	Peter Pelz	The Influence of Imposed Strain Rate and Circulation on Bubble and Cloud Dynamics	85	Stevia Sutanto	Effect of Cavitation in Textile Dry Cleaning with CO2	
2:00 PM	110	Hareesh Anant Vaidya	High-speed video imaging of "stable" oscillations of ultrasonically-excited acoustic cavitation bubbles	187	Harry Hoeijmakers	Numerical Study on Collapse of a Cavitating Cloud of Bubbles	194	Fabian Reuter	Cavitation noise measurements inside water filtration membrane stacks irradiated for fouling prevention	
2:15 PM	279	Deepak Kirpalani	Cavitation Technology Development for Oil Sands Processing	205	Tetsuya Kanagawa	Derivation of effective wave equation for very high frequency short waves in bubbly liquids	222	Yasuhiro Sugimoto	Micro-scale observations for cleaning mechanism using ultrasonic microbubbles	
2:30 PM	234	Oleksandr Zverkhovskiy	Experimental study on developed air cavities under a horizontal flat plate.	299	Siew-Wan Ohl	High speed observation of bubbles from high intensity focussed ultrasound	236	Steven Brems	Optimizing high frequency ultrasound cleaning in the semiconductor industry	
2:45 PM	Tea and coffee break 2									
3:00 PM										
3:15 PM	Keynote 2	Brian Fowlkes								
3:30 PM										
Session	Measurements III			Minisymposium 1 Cavitation in Micro&Nanoscale			Numerical II			
3:45 PM	255	David Tan	Investigation of Flow Phenomena within an Axial Waterjet Pump at Off-Design Conditions	190	Iskander Akhatov	Bubble cluster dynamics in an acoustic field	57	Vladimir Serebryakov (Terentiev)	Unsteady Movement of a Hydrofoil with a Cavity	
4:00 PM	265	Jarle Vikor Ekanger	Cavitation intensity measured on a NACA 0015 hydrofoil with various gas contents	33	Sergey Nikitenko	Multibubble sonoluminescence and sonochemistry of F-transition elements	16	Jean Decaix	3D Computations of Cavitating Flows using a Scale-Adaptive Turbulence Model	
4:15 PM	83	Fabian Reuter	Study of laser induced single bubble cavitation by electrochemistry measurements	183	Vladimir Vanovsky	The Resonant Mechanism of Gas Bubble Break-up in Fluid	112	Bin Ji	Unsteady turbulent cavitating flow modeling issue with special emphasis of three dimensional structure and turbulent treatments	
4:30 PM	270	E.A.Weitendorf	On Cavitation Nuclei in Water Tunnels	188	Kenneth Suslick	Sonofragmentation of Molecular Crystals	153	Krishnan Mahesh	Towards Numerical Simulation of Cavitating Flows in Complex Geometries	
4:45 PM	253	Konstantin Pervunin	Turbulent structure of cavitating flows about 2D model bodies	189	Iskander Akhatov	Numerical simulation of 3D self-organization of bubbles in acoustic fields	202	Yoshinori Jinbo	Numerical Investigations of Nonspherical Bubble Collapse near Boundaries by the Improved Ghost Fluid Method	
5:00 PM	263	Nils Damaschke	Optical methods for nuclei spectra characterization in cavitation tunnels	276	Cyril Mauger	OPTICAL INVESTIGATION IN 2D NOZZLE CAVITATING FLOW	111	Shin-Ichi Tsuda	Development and Validation of Multi-process Cavitation Model	
5:15 PM	240	Amelie Danlos	Passive control study of cloud cavitation using a venturi profile	186	Tandiono	Acoustic cavitation in microfluidics: generation and applications	243	Maziar Changizian	A Fast Non-iterative Algorithm to Predict 2-D Unsteady-Partial Cavitation	
5:30 PM	Reception (Level 7 poolside)									
6:30 PM										

Wednesday 15 August 2012

Start Time	Session 1 (Phoenix I)			Parallel Session 2 (Phoenix II)			Session 3 (Paprika)		
	Paper number	Presenter		Paper number	Presenter		Paper number	Presenter	
8:30 AM	Keynote 3			Shu Takagi					
8:45 AM									
9:00 AM									
Session	Numerical III			Specific fluids			Bubble dynamics I		
9:15 AM	6	Yasemin Arikan	Prediction of Cavitation on Two- and Three-Dimensional Hydrofoils by an Iterative BEM	290	Masatoshi Futakawa	Cavitation erosion induced by proton beam bombarding mercury target for high power neutron spallation source	161	Nurul S.B.Samsul Bahrin	Influence of Collapse Pressure Control on Bubble Radial Motion
9:30 AM	98	Faraz Khatami	Numerical Simulation of Unsteady Three-Dimensional Cavitating Flow about Hydrofoil subject to Unsteady Inflow	145	Andrzej Pawlak	Cavitation during deformation of plastics	137	Hendrik Söhnholz	Thermal effects upon collapse of laser-induced cavitation bubbles
9:45 AM	130	Yaw-Huei Lee	Performance Assessments of Various Numerical Cavitation Models Using Experimental Data	44	Xu Lianghao	Nuclei Measurement by Interferometric Laser Imaging in Cavitation Tunnel	192	Can Delale	A Criterion for the Occurrence of Bubble Fission and its Modeling
10:00 AM	Tea and coffee break 1								
Session	Numerical IV			Marine Propellers			Bubble dynamics II		
10:30 AM	141	Mahmud P. Fard	Simulating cavitation over Clark-Y hydrofoils using LES in OpenFOAM	61	Tuomas Sipilä	RANS predictions of a cavitating tip vortex	195	Andrew Ooi	Effects of Insonation Amplitude on the chaotic dynamics of a small cluster of microbubbles in ultrasound
10:45 AM	149	Romuald Skoda	Comparison of compressible explicit density-based and implicit pressure-based CFD methods for the simulation of cavitating flows	70	Naixian Lu	Numerical Simulations of the Cavitating Flow on a Marine Propeller	37	David Leppinen	The interaction of laser-generated bubbles with an ultrasonic field in the vicinity of a density
11:00 AM	159	Jian Wang	Numerical simulation of cavitation flow around a hydrofoil	84	Stefano Gaggero	Numerical and experimental analysis of a C/T propeller cavitation behavior	214	Eric Johnsen	Bubble dynamics in a standard linear solid (viscoelastic) medium
11:15 AM	225	Yoshiaki Tamura	Further Improvement of Bubble Model for Cavitating Flow Simulations	169	William Straka	Cavitation and Hydrodynamic Evaluation of a Uniquely Designed Hydrofoil for Application in Marine Hydrokinetic Turbine	232	Fahad Ibn Azam	Dynamics of A Bubble In A Narrow Gap
11:30 AM	251	Takeo Kajishima	Combination of bubbly flow model and cavity source model for the practical numerical simulation of cavitating flows	196	Christian Johannsen	Investigation of Hull Pressure Pulses, Making Use of Two Different Large Scale Cavitation Testing Facilities	233	Michael Calvisi	Analysis of the Nonlinear Dynamics of Ultrasound Contrast Agent Microbubbles
11:45 AM	277	Anne Gosset	Periodic phenomena on a partially cavitating hydrofoil	224	Hiroki Matsunari	Experimental/Numerical Study on Cavitating Flow around Clark Y 11.7% Hydrofoil	250	Bing Hui Terence Goh	Influence of a surface-attached bubble on a cavitation bubble jet
12:00 AM	284	Yin Lu Young	Evaluation of Cavitation Models for Prediction of Transient Cavitating Flows around a Pitching Hydrofoil	47	Zhi Shang	A CFD investigation of cavitation around a submarine under water	283	Mohamed Farhat	What can we learn from cavitation bubble dynamics in microgravity ?
12:15 PM	11	Sunho Park	Pressure-based Solver for Incompressible and Isothermal Compressible Flows with Cavitation	262	Da-Qing Li	Prediction of cavitation for the INSEAN propeller E779A operating in uniform flow and non-uniform wakes	249	Kazuaki Inaba	Presence of single bubble in water hammer due to axial impact loading
12:30 PM	160	Yuka Iga	Phase Change Model based on the Idea of Apparent Phase Equilibrium in Unsteady Cavitating Flow				259	Milos Muller	Energy dissipated during the cavitation bubble collapse close to a solid wall
12:45 PM	Lunch + Poster Session 2								
1:00 PM									
1:15 PM									
Session	Numerical V			Nucleation			Bubble dynamics III		
1:30 PM	19	Eric Goncalves	Simulation of rarefaction problems with phase transition	51	Tomas Nemeč	Nucleation rates in cavitation of binary systems – the predictions of the classical nucleation theory	209	Patrik Zima	Modeling bubble collapse aggressiveness in traveling bubble cavitation using bubble breakup model
1:45 PM	78	Franco Magagnato	Simulation of Compressible Cavitating Flows using a Novel Stochastic Field Formulation	67	Knud Aage Mørch	Tensile strength of water exposed to pressure pulses	46	Lixin Bai	A new method for producing nonspherical cavitation bubble using flexible electrodes
2:00 PM	120	Dongxi Liu	Numerical Simulation and Analysis of Cavitating Flow in a Centrifugal Pump	135	Daniel Fuster	Stability of a single bubble in a slightly compressible liquid	298	Deepal Kanti Das	Mixing with cavitation bubbles
2:15 PM	28	Martina Friedrich	3D-1D coupling of compressible density-based CFD solvers for cavitating flows	181	Keita Ando	Vapor bubble nucleation in a sessile water drop	297	Li Zhengguo	Fast localized single cell membrane poration using cavitation bubble-induced microjets
2:30 PM	185	Amelie Danlos	Cavitation modeling of thermosensitive fluids using compressible phases approach.	300	Roberto Gonzalez Avila	Cavitation bubble dynamics in a liquid gap of variable height	219	Harish Ganesh	Vortex-Cavitation Bubble Dynamics and its Relation to the Underlying Vortical Flow on a Delta Wing
2:45 PM	Tea and coffee break 2								
3:00 PM	Keynote 4			Frank Holsteyns					
3:15 PM									
3:30 PM									
Session	Numerical VI			Unsteady cavitation and cavitation instabilities			Bubble dynamics IV & Microbubbles		
3:45 PM	113	Ziru Li	On the capability of RANS codes to assess the cavitation erosion risk on hydrofoils	170	Thomas Keil	On the Transition from Sheet to Cloud Cavitation	31	Yukio Tomita	Characteristics of Sonozoid destruction and bubble motion caused by focused ultrasound
4:00 PM	134	Alexander Petrov	The Flow past a Lattice of Airfoils and the Determination of Separation Points in a Viscous Fluid	280	Martijn van Rijsbergen	High-speed video observations and acoustic impact measurements on a NACA 0015 foil	99	Richard Manasseh	Effect of surfactant type on microstreaming velocities around microbubbles
4:15 PM	237	Vladimir Serebryakov	Development of a nonlinear asymptotic method for calculation of nearly axisymmetric cavitating flows	257	Byungjin An	Numerical Analysis of Cavitating Flow Field with Flow Rate Fluctuation Model in a Two-Dimensional Cascade	29	Jorge Naude	Tensorial modeling of an oscillating and cavitating Mooney Rivlin hyperelastic microshell used as a contrast agent
4:30 PM	278	Tiegang Liu	MGFM applied to underwater explosion near a thin plate with cavitation evolution	258	Hua Liu	Frequency characteristics of unsteady cavitating flows around axisymmetric headforms	53	Matevz Dular	Thermodynamic effect at a single cavitation bubble growth and collapse
4:45 PM	146	Mark Esson	Growth and collapse of laser generated bubbles in a three fluid system	41	Yiwei Wang	The shedding phenomenon caused by the interaction of re-entrancy jet and air injection of the ventilated partial cavitation	241	Mingyu Sun	Numerical and Experimental Study of Secondary Cavitation Induced by Underwater Electric Discharge in a Tube
5:00 PM	294	Kazem Hejranfar	A comparative study of Two Cavitation Modeling Strategies for Simulation of Inviscid Cavitating Flows				206	Sha Xiong	Laser-induced cavitation bubbles in nanochannels
5:15 PM									
6:00 PM	Conference dinner								

Thursday 16 August 2012

Start Time	Session 1 (Phoenix I)			Parallel Session 2 (Phoenix II)			Session 3 (Cinnamon)		
	Paper number	Presenter		Paper number	Presenter		Paper number	Presenter	
8:30 AM	Keynote 5								
8:45 AM	Alec Wilson								
9:00 AM									
9:15 AM	Session Supercavitation I			Minisymposium 2 Advanced numerical; I			Environmental		
9:15 AM	17	Lingxin Zhang	Effect of external pressure wave on the dynamics of the supercavitating flow around a cylinder	213	Eric Johnsen	An interface-capturing scheme for direct simulations of bubble dynamics with viscous and thermal diffusion	26	Andreas Schmid	"Supercavitation" – A New Aeration Technology
9:30 AM	23	Wang Zou	On the stability of supercavity with angle of attack	86	Tim Colonius	Investigation of a new model for bubbly cavitating flow	124	Sonja Lauterborn	Membrane cleaning with cavitation by ultrasound - Application in drinking water treatment
9:45 AM	36	Wang Zhi	Experimental Study of Ventilated Supercavity on an Axisymmetric Model	158	Sanjiva Lele	Investigation of pressure wave reflected from a wall in a bubbly flow and its influence of a cluster of bubbles	261	Leonardo Traversoni	Hydrodynamic Cavitation For Water and Oil Treatment
10:00 AM	Tea and coffee break 1								
10:30 AM	Session Supercavitation II			Nozzles & Pumps I			Sonoluminescence		
10:30 AM	39	Vladimir Serebryakov	Double-cavity scheme dynamics of supercavitating flow: prediction and drag reduction problems	27	Wenjun Zhong	An investigation of transient nature of the cavitating flow in injector nozzles affected by the needle movement	21	Adriano Troia	Sonoluminescence in Mercury and liquid metal alloys
10:45 AM	42	Xuesen Chu	Study of New Cavitator with Changeable Drag Coefficient	48	Akira Sou	Cavitation in a Nozzle of Fuel Injector	62	Werner Lauterborn	A look into the bubble interior by molecular dynamics simulations
11:00 AM	56	Moubin Liu	SPH modeling of supercavity of underwater high-speed objects	126	Yong Wang	Experimental measurement on cavitation induced vibration and noise of centrifugal pumps	88	Kenneth Suslick	Sonoluminescence near Glass Surface
11:15 AM	71	Hui-Xia Jia	Experimental Research on Supercavitation Flows during Water Exit of Blunt Bodies				101	Hitoshi Soyama	Effect of dissolve gas on luminescent spots induced by a cavitating jet
11:30 AM	73	Hong-Hui Shi	Review of Mechanism and Technology Research of Underwater Supercavitation Fluid Machinery	204	Aniruddha Pandit	Numerical Optimization and Experimental Validation of Hydrodynamic Cavitating Device	175	Laura Stricker	Ultrasound nucleated microbubbles and their sonochemical radical production
11:45 AM	82	Yadong Wang	ON THE RE-ENTRANT JET OF A SUPERCAVITATING BODY	246	Yuki Uchinono	Casing Wall Pressure Measurements of Cavitating Inducer with Inlet Asymmetrical Obstacle Plate	197	Almut Beige	Environment-induced heating in sonoluminescence experiments
12:00 AM	87	Xulong Yuan	EXPERIMENTAL INVESTIGATION ON HYDRODYNAMIC CHARACTERISTICS OF A SUPERCAVITATING VEHICLE	157	Motohiko Nohmi	A REVIEW - A Basic Research on Total Prediction System for Cavitation Phenomena	212	Ahmad Moshaii	Dependency of sonoluminescence temperature on the noble gas concentration in sulfuric acid
12:15 PM	89	Anton Varyukhin	Cavity at body entry into water	238	Konstantin Finnikov	Influence of cavitation on the intensity of transient phenomena in a hydroturbine flow path	30	Margarita Navarette	Temporal and spatial separation in conical bubble collapse: two sites of light emission
12:30 PM	90	Diego Villa	Three Phase RANSE Calculation for a Surface Piercing Supercavitating Hydrofoil	282	Jules Lindau	Computational Evaluation of the Cavitating Flow through Automotive Torque Converters	77	Andrea Petrucci	Ultrasonic Cavitation and Piezoelectric Reactions
12:45 PM	Lunch								
13:00:00 P									
1:15 PM	Session Supercavitation III			Nozzles, pumps II			Sonochemistry		
1:30 PM	95	Oscar De La Torre	The effect of cavitation on the natural frequencies of a hydrofoil	20	Artem Marie-Magdeleine	Application of unsteady flow rate evaluations to identify the dynamic transfer function of a cavitating Venturi	24	Ramamurty Nagarajan	Sono-Synthesis and Dispersion of Nano-Particles: Experiments & Simulation
1:45 PM	97	Ellison Kawakami	Ventilated Supercavities in Horizontal Flows	216	Manolis Gavaises	Bubble Collapsing Temperatures and Pressures in High-Pressure Diesel Injection Microchannels	127	Robert Mettin	Bubble collapse modality and sonochemical activity
2:00 PM	117	Mahmoud P.Fard	SHAPE OPTIMIZATION OF AXISYMMETRIC CAVITATOR IN PARTIALLY CAVITATING FLOW	94	Mohammed T.S.Tabar	Numerical Study on the Behavior of Fuel Spray Characteristics due to Cavitation Phenomenon for different Injector Geometry	242	Shin-Ichi Hatanaka	Relationship between radical production and cavitation dynamics of a sonoluminescing bubble
2:15 PM	218	Bryce Pearce	Experimental investigation of a base-ventilated supercavitating hydrofoil with interceptor	296	Navid Shervani-Tabar	Experimental and Computational Investigation on the Cavitation Phenomenon in a Centrifugal Pump			
2:30 PM	248	Yan Kai (Nesteruk)	Influence of ventilation on the shape of slender axisymmetric cavities				3	Sankar Chakma	Mechanistic Studies of Ultrasound Enhanced Desorption of Organic Pollutants from Polymeric Resin
2:45 PM	Tea and coffee break 2								
3:00 PM	Keynote 6								
3:15 PM	Sheng Cai Li								
3:30 PM									
3:45 PM	Session Supercavitation IV			Minisymposium 2 Advanced Numerical Methods II			Shockwave + Thermal		
3:45 PM	281	Giuliano Vernengo	A Reformulated Lifting Line Theory for Supercavitating Hydrofoil Design and Optimization	162	Mathieu Bachmann	Numerical simulation of shock wave bubble interaction using laser-induced cavitation bubbles	109	Yuta Nakamura	Particle motion in a kHz-order-ultrasound-irradiated water (The relation between the particle motion and an acoustic cavitation bubble)
4:00 PM	285	John Dzielski	Planing-Hull Forces and Moments on a Cylindrical Body in a Cavity	63	Sergey Yakubov	An advanced Euler-Lagrange approach to numerical simulation of cavitating engineering flows	123	Dhiman Chatterjee	Effect of ultrasound on wake cavitation
4:15 PM	288	Yuri Antipov	Large deflection of a supercavitating hydrofoil	180	Xiangyu Hu	Numerical Investigation of collapsing cavity arrays	227	Badarath Karri	Micrometer sized jets and sprays as a result of shock wave hole interaction
4:30 PM	201	Yun-Hua Jiang	Cavitation Source Term Model Studied of Numerical Simulation Supercavitating Flows	191	Michael Mihatsch	Quantitative Prediction of Erosion Aggressiveness through Numerical Simulation of 3-D Unsteady Cavitating Flows	68	Matevz Dular	Dynamics of attached cavitation at an ultrasonic horn tip
4:45 PM	155	Byoung-Kwon Ahn	Experimental Investigation of Supercavitating Flows	193	Christian Egerer	Implicit Large-Eddy Simulation of Cavitation in a Turbulent Shear Layer	268	Rimbert Nicolas	Experimental Study by Two-Color Laser-Induced-Fluorescence of the Thermodynamic Effect in Micro-Channel Cavitation
5:00 PM	217	Shuai Zhang	Numerical simulation for cavitation flow of cavitators with different shapes	198	Keh-Ming Shyue	An anti-diffusion based Eulerian interface-sharpening algorithm for compressible multiphase flow	104	Yutaka Ito	New Visualization Test Facility for Liquid Nitrogen and Water Cavitation in Rotating Inducer
5:15 PM	247	Ming-Dong Lin	Hydrodynamic properties of ringed disk cavitator with water injection	173	Thomas Rung	Investigation on Cavitation Scale Effects with different Cavitation Models			
5:30 PM									

Tuesday 14 August 2012

Poster session 1		
Paper Number	Presenter	Title
5	Xiaojun Li	Numerical Analysis for Influence of Cascade Solidity on the Performances of Cavitating Inducers
9	Nyuk Ling Chin	Modelling the total monomeric anthocyanin (TMA) extracted from mangosteen hull in ultrasonic assisted acidified aqueous solvent extractions
15	Jean Decaix	Study of compressibility effects on turbulent cavitating flows
25	Andreas Schmid	MTBE-Degradation by hydrodynamic induced cavitation
35	Mohammed Hadi Dehghani	Using Acoustic Cavitation for Degradation of Organophosphorus Pesticides in Water
43	Zhang Xiaobin	Modeling Cavitation flow of cryogenic fluids with thermodynamical phase-change theories
131	Zhong Tian	Velocity effect of cavitation inception for cylinder, bar and pit in open flow
156	Byoung-Kwon Ahn	Numerical Analysis of Axisymmetric Supercavitating Flows
229	Maxim Davydov	Feature of nucleation and growth of gas bubbles in magmas
286	Shuichi Toyouchi	Bubble formation and emission during phase separation of water and 2-butoxyethanol mixtures
136	Ellison Kawakami	Recognition of highly overlapping bubbles in the wake of a ventilated hydrofoil

Wednesday 15 August 2012

Poster session 2		
Paper Number	Presenter	Title
22	Adriano Troia	High speed observation of a single reactant cavitation bubble
108	Dae-Jin Kim	Casing Vibration of Oxidizer Pump for Liquid Rocket Engine
122	Kornpatsitt Promasa	A NON-INVASIVE OPTICAL TECHNIQUE TO MAP ACOUSTIC CAVITATION ACTIVITY
176	Yue Zhao	Acoustics Method for Judging the Inception Cavitation on Model Bulb Turbine Runner Blade
200	Yun-Hua Jiang	Compressibility Numerical Simulation Studied of Sub and Supersonic Supercavitation Flows
203	Albert Stoop	Hydrodynamic cavitation at elevated backpressure
207	Lei Jiao	Experimental and Numerical Study on the Cavitation Stability of Vortex Diode
211	Min Xiang	Effect of Attack Angle on the Bubbly Flow Downstream of Partially Ventilated Cavity
231	Kazuki Niiyama	Experimental investigation of thermodynamic effect on cavitation in liquid nitrogen
293	Ashutosh Agarwal	Self Collapsing Microbubbles Triggered Biofilm Detachment