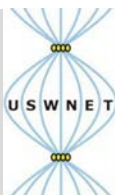


Acoustofluidics 2016



Technical University
of Denmark

Thursday 22 September		All sessions and meals at DTU 101 Glassalen	
09:00 – 10:30	Morning coffee and informal discussions for early birds		
10:30 – 11:00	Welcome by Henrik Bruus		
11:00 – 11:45 Chair: Hill	inv1. Michaël Baudoin, Université Lille 1 <i>SAW-generated 3D vortical acoustic waves</i>		
11:45 – 13:00 Chair: Hill	c01. Pierre Thibault: <i>Generation of acoustic vortices using standing surface ...</i> c02. Adrian Neild: <i>particle sorting using a combination of travelling and ...</i> c03. Christine Faust: <i>Multi-purpose SAW-based device for comprehensive cell ...</i> c04. Rune Barnkob: <i>Radiation-dominated microparticle motion in a PDMS ...</i> c05. David Collins: <i>Sub-micron particle manipulation with acoustic streaming ...</i>		
13:00 – 14:30	Lunch		
14:30 – 15:15 Chair: Laurell	inv2. Erwin Peterman, Vrije Universiteit Amsterdam <i>Acoustic force spectroscopy</i>		
15:15 – 16:15 Chair: Laurell	c06. Mikael Evander: <i>Proteomic analysis of acoustically trapped extracellular ...</i> c07. Umesh Jonnalagadda: <i>Biomechanical influence of the acoustic environment ...</i> c08. Peter Reichert: <i>Acoustophoretic handling of C. elegans in microfluidic ...</i> c09. Karl Olofsson: <i>Influence of protein repellent polymer coating on ultrasonic ...</i>		
16:15 – 17:15	Coffee break and discussions		
17:15 – 18:30 Chair: Neild	c10. Liangfei Tian: <i>Spontaneous ultrasonic assembly of chemically encoded ...</i> c11. Anna Fornell: <i>Particle enrichment in two-phase microfluidic systems using ...</i> c12. Mathias Ohlin: <i>2D acoustophoretic positioning of microparticles inside ...</i> c13. Björn Hammarström: <i>An improved co-culture model of the mucosal airway ...</i> c14. Mikkel Ley: <i>Design considerations for acoustic modes in glass capillaries ...</i>		
18:30 – 20:00	Dinner		
20:00 – 23:00	Poster and beer session p01. Adrian Neild p02. Ghulam Destgeer p03. Vivian Aubert p04. Mauricio Hoyos p05. Amanda Franklin p06. Pierre-Yves Gires p07. Itziar Gonzalez p08. Dmitry Grishenkov p09. Jeremy Hawkes p10. Douwe Kamsma p11. Florian Kiebert p12. Rayisa Moiseyenko p13. Franziska Olm p14. Filip Plazonic p15. Chanryeol Rhyou p16. Nils Refstrup Skov p17. Anke Urbansky p18. Michel Versluis p19. Andreas Volk		



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Friday 23 Sep	Friday 23 September	All sessions and meals at DTU 101 Glassalen
09:00 – 09:45 Chair: Dual	inv3. Per Augustsson, Lunds Universitet <i>Iso-acoustic focusing</i>	
09:45 – 10:30 Chair: Dual	c15. Jonas T. Karlsen: <i>The acoustic force density acting on inhomogeneous fluids...</i> c16. Charles Shields: <i>Acoustic and magnetic methods for the isolation and ...</i> c17. Maria Antfolk: <i>Integration of acousto- and dielectrophoresis for tumor cell...</i>	
10:30 – 11:15	Coffee break and discussions	
11:15 – 12:00 Chair: Wiklund	inv4. Philippe Marmottant, Université Grenoble Alpes <i>Bubble-based acoustofluidics</i>	
12:00 – 13:00 Chair: Wiklund	c18. Alexander Doinikov: <i>Acoustic streaming generated by a cylindrical bubble ...</i> c19. Sascha Hilgenfeldt: <i>Size sorting of particles in microstreaming ...</i> c20. Ghulam Destgeer: <i>A sessile droplet of water carrying polystyrene ...</i> c21. Jin Ho Jung: <i>Acoustic droplet splitting in a micro fluidic channel by ...</i>	
13:00 – 14:30	Lunch and discussions	
14:30 – 15:30 Chair: Lenshof	c22. Kian-Meng Lim: <i>Interparticle force in acoustofluidic devices</i> c23. Thierry Baasch: <i>Particle pearl-chain formation, an experimental and ...</i> c24. Citsabehsan Devendran, <i>The importance of travelling wave components in ...</i> c25. Andreas Lamprecht: <i>Imaging acoustic radiation forces and streaming ...</i>	
15:30 – 16:00	Coffee break and discussions	
16:00 – 17:00 Chair: Radel	c26. Hans Cappon: <i>Numerical design and experimental evaluation of an acoustic...</i> c27. James Friend: <i>Acoustic nanofluidics: a novel platform for actuation ...</i> c28. An Huang: <i>Fast dimensional transition of Fe₃O₄ nanoparticles self-assembly..</i> c29. Stefan Radel: <i>Ultrasound enhanced process analytical technology ...</i>	
17:00 – 17:30	Announcing Acoustofluidics 2017 and closing by H . Bruus and J. Friend	