



## COST Action MP1205: Advances in Optofluidics

**Final General Meeting**  
**14-15 September, 2016**  
**Grand Hotel San Michele, Cetraro (CS), Italy**

<b>Wednesday, September 14<sup>th</sup> 2016</b>		
8:55 – 9:00	G. Cipparrone	<b>OPENING</b>
		Chair: Cornelia Denz
9:10 – 9:50	<b>KL:</b> D. Andrews	<i>Photons and fluids</i>
<b>Optical Control in Microfluidics</b>		
9:50 – 10:10	N. Osterman	<i>Thermo-optical tweezers for individual nanoparticle manipulation</i>
10:10 – 10:30	P. Ormos	<i>Optically manipulated microtools optimised for different biological applications with appropriate functionalization</i>
10:30 – 10:50	P. Zemanek	<i>Multi-modal natural user interface for holographic Raman tweezers</i>
10:50 – 11:20	<i>Coffee Break &amp; Poster Session</i>	
<b>Integrated Microfluidic Photonics (new concepts of Optofluidics)</b>		
		Chair: Larisa Florea
11:20 – 11:40	F. Simoni	<i>Optofluidic dye laser based on a Fabry-Perot cavity fully embedded in a glass chip</i>
11:40 – 12:00	R. Buczynski	<i>Compact nonlinear photonic crystal fiber systems infiltrated with liquids</i>
12:00 – 12:20	P. Marques	<i>Fabrication of optofluidic devices by femtosecond laser direct writing</i>
12:20 – 12:40	Z. Pilat	<i>Tunable WGM microresonators from optically trapped liquid crystal emulsion droplets</i>
12:50 – 15:50	<i>Lunch Break</i>	
		Chair: Malgosia Kaczmarek
16:00 – 16:40	<b>KL:</b> M. Dupard	<i>Optical and microfluidic tools for great optofluidic discovery</i>
<b>Materials and Technologies for Optofluidic Devices</b>		
16:40 – 17:00	O. Emile	<i>An optofluidic diaphragm pump</i>
17:00 – 17:20	L. Florea	<i>Towards bioinspired microsystems</i>
17:20 – 17:50	<i>Coffee Break &amp; Poster Session</i>	
17:50 – 19:50	<b>MC Meeting</b>	
20:00 – 21:00	<i>Conference Dinner</i>	



<b>Thursday, September 15<sup>th</sup> 2016</b>		
		Chair: Rebeca Hernandez
9:10 – 9:50	<b>KL:</b> I. Cristiani	<i>Integrated Microfluidic Systems with Multiple Actuators</i>
9:50 – 10:10	M. Kaczmarek	<i>Smart, hybrid liquid crystal modulators</i>
10:10 – 10:30	L. Lucchetti	<i>All-optical phase shifter with photovoltaic liquid crystal cell</i>
10:30 – 10:50	N.A. Vainos	<i>Isotropic contractive scaling of microstructures: A new microtechnology principle demonstrated in laser processed vitrified aerogels</i>
10:50 – 11:20	<i>Coffee Break &amp; Poster Session</i>	
<b>ESR Session</b>		
		Chair: Cinzia Sada
11:20 – 11:40	A. Barroso	<i>Monitoring antimicrobial photodynamic inactivation at the single-cell level</i>
11:40 – 12:00	T. Tamulevičius	<i>Investigation of the influence of velocity and temperature on the dynamics of capillary assisted particles deposition yield</i>
12:00 – 12:20	J.R. Hernandez	<i>Chiral particles in dual beams trap (STSM report)</i>
12:20 – 12:40	R. Meissner	<i>In-vivo flow profiling for improved tissue engineering of blood vessels</i>
12:50 – 15:50	<i>Lunch Break</i>	
		Chair: Liana Lucchetti
16:00 – 16:20	S. Couris	<i>On the NLO response of two 2D-materials: Graphene(s) versus some PAHs</i>
16:20 – 16:40	V. Toal	<i>Fabrication of photonic microscopic surface structures for copper<sup>2+</sup> ions detection in fresh water by incorporation of LTL-type zeolites nanoparticles</i>
16:40 – 17:00	I. Pinkevych	<i>Two-wave energy exchange in hybrid photorefractive cell with bent-core cholesteric liquid crystal</i>
17:00 – 17:10	D. Rabus	<i>The German Optofluidic Network</i>
17:15	<b>CLOSING REMARKS</b>	
19:45 – 21:00	<i>Dinner</i>	

