



## **COST Action IC1208**

### **Integrating devices and materials: A challenge for new instrumentation in ICT**

Joint 5th Management Committee Meeting (MCM5)  
Meetings of Working Groups WG1–WG4

Department of Physics  
Bilkent University  
Ankara (Turkey)  
26-27 March 2015

#### **PROGRAMME — Thursday 26 March**

##### **Invited talk**

Prof. Vladimir Yu Venediktov (St.-Petersburg State Electrotechnical University "LETI" & St.-Petersburg State University)

*Electrooptical LC devices for dynamic holography: state-of-the-art and new horizons*

##### **WG1, 2 & 3 meeting (I)**

1. M. Cigl, F. Hampl, V. Hamplová, M. Kašpar, P. Tomášková, A. Bubnov  
*Azo-based liquid crystals: Expected and unexpected effects of lateral substitution*
2. A. García-García, A. Marino, M.A. Geday, J.M. Otón  
*Study of carbon nanotubes dispersed in liquid crystals as seen by impedance and ellipsometric spectroscopy*
3. N. Sebastián  
*Photonics of freely suspended LC fibers*
4. D. Poudereux, D. Alj, R. Caputo, J.M. Otón, X. Quintana  
*Enhanced recording of POLICRYPS structures in Photonic Crystal Fibres*
5. O. Chojnowska, Y. Chen, S. T. Wu.  
*Electro-optical properties of photochemically stable polymer-stabilized blue-phase material*



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#### PROGRAMME — Thursday 26 March (cont.)

##### WG1, 2 & 3 meeting (II)

6. B. Bajac, M. Ivanov, R. Grigalaitis, J. Banys, L. Mitoseriu, V. Srdic  
*Dielectric and piezoelectric properties characterization of multilayer BaTiO<sub>3</sub>/NiFe<sub>2</sub>O<sub>4</sub> thin films*
7. C. E. Ciomaga, M. Airimioaei, L. Padurariu and L. Mitoseriu  
*Preparation and functional properties of ferroelectric-ferrite composites: Experiment and modeling*
8. M. Airimioaei, L. Mitoseriu, L.P. Curecheriu, M.N. Palamaru, A.R. Iordan  
*Synthesis and functional properties of Mg<sub>x</sub>Ni<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub> ferrites*
9. Y. Geng, P. Salamon, T. Börzsönyi, A. Eremin, R. Stannarius, N. Éber  
*Rheological study of anisometric pigment particle suspensions*
10. J. Bobić, M. Vijatović Petrović, N. Ilic, A. Džunuzović, M. Ivanov, B. Stojanović  
*Electrical and magnetic properties of multiferroic Bi<sub>5</sub>FeTi<sub>3</sub>O<sub>15</sub> and Bi<sub>4.25</sub>La<sub>0.75</sub>Ti<sub>3</sub>FeO<sub>15</sub> ceramics*

##### WG1, 2 & 3 meeting (III)

11. A. Callegari, M. Mijalkov, A. B. Gözök, G. Volpe  
*Computational toolbox for optical tweezers in geometrical optics*
12. P. Sathyanarayana, A. Callegari, Y. Tuna, S. Dietric, A. Gambassi, G. Volpe  
*Experimental study of Many Body Effects for Critical Casimir Forces*
13. J.K. Luo  
*Flexible and transparent surface acoustic wave microsensors and microfluidics*
14. S. Sjøpstad, E. Zimmer, M. Peacock, S. Higson, A. Johannessen, U. Hanke, E. Johannessen  
*Miniaturized screen printed biosensor for continuous glucose monitoring*



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#### **PROGRAMME — Friday 27 March**

##### **WG1, 2 & 3 meeting (IV)**

15. P. Kula, P. Harmata  
*Chiral dopants for various Liquid Crystalline Applications*
16. J. Herman, K. Milewska  
*Recent development in liquid crystal synthesis*
17. D. Węglowska, R. Dąbrowski, R. Mazur, W. Piecek  
*Liquid crystalline materials for 3D active glasses without polarizers*
18. K. Milewska, R. Dąbrowski  
*New orthoconic antiferroelectric liquid crystals*
19. D. C. Zografopoulos, R. Beccherelli, E. E. Kriezis  
*Zenithal bistable liquid-crystal gratings as tunable beam splitters*