



Second French-Polish
WORKSHOP
on Organic Electronics
and Nanophotonics

WOREN 2011



Second French-Polish, Workshop on Organic Electronics and Nanophotonics *Angers, France, September 4-8, 2011*

Conference Program



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Workshop on Organic Electronics and Nanophotonics
Angers, France, September 4-8, 2011**

Honorary Guests for Opening Ceremony

Geneviève Rivoire: Honorary Guest

Françoise Grolleau: Head of European Council UNAM

Jean-Louis Ferrier: Vice-President of the University of Angers, (Research division)

John Webb: Vice-President of international relationship of the University of Angers

Daniel Schaub: Dean of Sciences Faculty

Président /Chair

Bouchta Sahraoui, (University of Angers)

Co-chairs

Francois Kajzar (*University of Angers*)

Andrzej Miniewicz (*Wroclaw University of Technology*)

Antoni C. Mitus (*Wroclaw University of Technology*)

Jaroslaw Mysliwiec (*Wroclaw University of Technology*)

Organizing Committee

Bouchta Sahraoui – chair

Sylvie Dabos-Seignon-co-chair

Christian Auguste

Dominique Guichaoua

Jean-François Pacaud*

Hasnaa El Ouazzani

Mindaugas Pranaitis

Abdelkrim El Ghayoury

Denis Gindre

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()The organizing committee would like to express his sincere and heartfelt thanks to the Service Europe et Recherche, PRES (site Angers) for helpful and technical assistances*

International Advisory Committee

France

Chantal Andraud (*Ecole Normale Supérieure, Lyon*)
Andre Attias (*University Pierre et Marie Curie, Paris*)
Gisele Boiteux (*University of Claude Bernard, Lyon*)
Sophie Brasselet (*Institute Fresnel, Marseille*)
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Poland

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Danuta Wróbel (*Poznań*)
Adam Tracz (*Lodz*)
Wojciech Gawlik (*Kraków*)

Visit of Angers Castle (Château d'Angers)

The castle of Angers is a fortress style château located in the Loire Valley that is home of the Apocalypse Tapestry. It is located on a rocky ridge overhanging the river Maine.



Visit of Jean Lurçat Museum (welcome reception)



Address:
4 Boulevard Arago,
49100 Angers

The Jean Lurçat Museum in Angers, housed in the old Hôpital St-Jean (12th C), displays works by the painter Jean Lurçat (1892-1966), best known as the renewer of the art of tapestry. In the large Gothic hall, originally the hospital ward, hangs a cycle of 10 tapestries woven in Aubusson, the "Chant du Monde", depicting the problems of mankind in our day and thus in a sense forming a counterpart to the "Apocalypse".

Woren'2011 Program

	Sunday, September 04
19.00 - 20.30	Welcome Reception in the Museum of Art: Jean Lurçat
	Monday, September 05
8.00 - 8.30	Registration
8.30 - 9.00	Opening Ceremony Geneviève Rivoire: Honorary Guest Françoise Grolleau : Head of European Council UNAM Jean-Louis Ferrier: Vice President of the University of Angers, (Research division) John Webb : Vice-President of international relationship of the University of Angers Daniel Schaub: Dean of Sciences Faculty
	Session 1 Chair: Andrzej Miniewicz
9.00 - 9.45 PL-1	Joseph Zyss, <i>Polymer based micro-billiard lasers, a test-bed for nonlinear physics with a wealth of applications</i>
9.45 - 10.10 I-1	Jean-Luc Duvail, <i>Opportunities for polymer-based nanowires in nanophotonics</i>
10.10 - 10.35 I-2	Jaroslav Mysliwiec, <i>Organic materials for lasing applications and processing of optical information</i>
10.35 - 11.00	Coffee Break
	Session 2 Chair: Serge Lefrant
11.00 - 11.25 I-3	Andrzej Miniewicz, <i>On the conical second harmonic generation in MgO:LiNbO₃</i>
11.25 - 11.50 I-4	Pierre-François Brevet, <i>Second Harmonic Generation from Dye-Coated Gold Metallic Nanoparticles</i>
11.50 - 12.15 I-5	Marta Gordel, <i>Optical effects due to Interaction of Gold Nanorods with Fluorophores</i>
12.15 - 12.40 I-6	Céline Fiorini, <i>Localized molecular second harmonic generation at a metallic tip: towards a new type of active tips for SNOM ?</i>

12.40 - 14.00	Lunch Break
	Session 3 Chair: Céline Fiorini
14.00 - 14.25 I-7	Jacek Nizioł , <i>DNA complexes seen by spectroscopic ellipsometry and impedance spectroscopy</i>
14.25 - 14.50 I-8	Joanna Cabaj , <i>Hybrid enzymatic electrode as phenolic compounds detecting platform</i>
14.50 - 15.15 I-9	Piotr Hanczyc , <i>Linear and nonlinear optical properties of DNA binding chromophores</i>
15.15 - 15.40 I-10	Fabienne Pelle , <i>Lateral resolution improvement in multiphoton microscopy by up-conversion</i>
15.40 - 16.00	Coffee Break
	Session 4 Chair: Adam Pron
16.00 - 16.25 I-11	Roman Swietlik , <i>Infrared and Raman studies of charge transfer salts formed by the paramagnetic complexes Cp2M(dmit)</i>
16.25 - 16.50 I-12	Serge Lefrant , <i>Carbon Nanotubes structures: resonance and anti-Stokes Raman effects</i>
16.50 - 17.15 I-13	Dobrosława Kasproicz , <i>Micro-Raman investigation of laser crystals KGd(WO4)2 triply-doped with Pr³⁺, Ho³⁺, Er³⁺, Tm³⁺ and Yb³⁺ ions and their up-conversion emission</i>
17.15 - 17.40 I-14	David Chapron , <i>Graphite doped polymers: What can provide the Raman spectroscopy?</i>
17.40 - 18.05 I-15	Abdel el Abed , <i>Elaboration and characterization of supported organic monolayers on a hydrophobic surface: first direct measurement of the dielectric constant of unionized Langmuir monolayers</i>
18.05 - 19.00	Poster Session
P-1	Agnieszka Swist , <i>Semiconducting heterocyclic structures for opto-electrical devices</i>
P-2	Vincent Froger , <i>Gallium and aluminum doped zinc oxide thin films deposited by infrared assisted spray CVD for organic solar cells applications</i>
P-3	Joanna Olesiak , <i>Third-order nonlinear optical properties of gold nanorods</i>
P-4	Janusz Szeremeta , <i>Femtosecond Z-scan Spectral Dependent Studies of Nonlinear Optical Properties of Ag Nanocolloids</i>
P-5	Dominika Wawrzynczyk , <i>Modulation of Up-conversion Luminescence of NaYF₄:Tm³⁺, Yb³⁺ Nanoparticles using Gold Nanorods</i>

P-6	Radoslaw Kolkowski , <i>Polarization dependence of second harmonic generation from semiconductor quantum dot heterostructures</i>
P-7	David Chapron , <i>New Raman optical sensors for in situ analyses</i>
P-8	Paul Savel , <i>New Ruthenium Complexes for Two photon absorption</i>
P-9	Denis Gindre , <i>Nonlinear Optical Image Storage by photoinduced cross-linking of coumarins</i>
P-10	Hasnaa El Ouazzani , <i>NLO properties of new styrylquinolinium dye thin films deposited by pulsed laser deposition</i>
P-11	Mindaugas Pranaitis , <i>Linear and nonlinear optical properties of functionalized DNA complexes</i>
P-12	Abdelkrim El Ghayoury , <i>Non Linear Optical Properties of an Electroactive Ligand and of its Metal Complexes</i>
P-13	Jacek Niziol , <i>Temperature induced orientation of thin films of ruthenium based azo- organometallics.</i>
P-14	Mina Bakasse , <i>Study of conformation of alkylammonium bromides intercalated in montmorillonite.</i>
P-15	Y. Boughaleb , <i>Collective behavior of interacting particles : kinetic phase transition.</i>
P-16	Abdelwahed Hajjaji , <i>Micro-Macro correlation in ferroelectric materials: depolarization mechanism owing different excitations</i>
P-17	Marek Z. Szymanski , <i>Transport properties of electroactive triarylamine based dendrimers studied by space charge limited current transients</i>
Tuesday, September 06	
Session 5 Chair: Antoni Mitus	
9.00 - 9.45 PL-2	Jacek Ulanski , <i>Role of molecular order on performance of p- and n-type OFETs</i>
9.45 - 10.10 I-16	Muriel Hissler , <i>Organophosphorus Derivatives for the development of WOLEDs</i>
10.10 - 10.35 I-17	Malgorzata Zagorska , <i>New low molecular weight semiconductors for organic electronics. Synthesis, electrochemical characterization and device fabrication</i>
10.35 - 11.00	Coffee Break
Session 6 Chair: Bogdan Kuchta	
11.00 - 11.25 I-18	Marek Samoc , <i>Z-scan with a tunable femtosecond laser: what we can learn</i>
11.25 - 11.50 I-19	Chantal Andraud , <i>Chromophores for nonlinear absorption at telecommunications wavelengths</i>
11.50 - 12.15 I-20	Frederic Bolze , <i>Two-photon uncaging: the chemist point of view</i>

12.15 - 12.40 I-21	Antoni Mitus , <i>Subdiffusive rotation of single molecules in polymer matrix</i>
12.40 - 14.00	Lunch Break
	Session 7 Chair: Chantal Andraud
14.00 - 14.25 I-22	David Kreher , <i>Two-dimensional self-assembly of 3D pi-conjugated Janus tectons for applications in nanophotonics</i>
14.25 - 14.50 I-23	Juliusz Sworakowski , <i>Molecular aggregation in soluble phthalocyanines: kinetics and equilibria</i>
14.50 - 15.15 I-24	Patrick Batail , <i>Light-Driven Motion of Helical Rotors in Crystalline Molecular Machines</i>
I-25	<i>See poster number P17</i>
15.15 - 16.00	Coffee Break
16.00 - 19.00	Angers City Tour
	Wednesday, September 07
	Session 8 Chair: Marek Samoc
9.00 - 9.25 I-26	Renaud Bachelot , <i>Azobenzene-based nano-motors: nanoscale near-field optical imaging of plasmonic metal nanostructures</i>
9.25 - 9.50 I-27	Isabelle Ledoux-Rak , <i>New developments on Material Engineering for quadratic non linear optics : from molecules to nanostructures</i>
9.50 - 10.15 I-28	Jurek Sadowski , <i>In-situ microscopic study of the growth of thin organic films</i>
10.15 - 10.40 I-29	Emilie Champigny , <i>Study of crystalline molecular machines by nonlinear microscopy</i>
10.40 - 11.00	Coffee Break
	Session 9 Chair: Isabelle Ledoux-Rak
11.00 - 11.25 I-30	David Djurado , <i>Morphology and Nanostructure of Organic-Inorganic Hybrid Materials Based on Poly-(3-hexyl-thiophene) and CdSe Nanocrystals</i>
11.25 - 11.50 I-31	Adam Pron , <i>Composites of electroactive polymers with semiconductor nanocrystals and carbons nanotubes: preparation techniques,</i>

	<i>physicochemical characterization and applications</i>
11.50 - 12.15 I-32	Andrzej Graja , <i>Photoelectrochemical and EPR properties of LB films of fullerene–thiophene derived dyads</i>
12.15 - 12.40 I-33	Grzegorz Pawlik , <i>Towards cloaking effect in nanosphere dispersed liquid crystal metamaterial</i>
12.40 - 14.00	Lunch Break
	Session 10 Chair: Roman Swietlik
14.00 - 14.25 I-34	Irena Kulszewicz-Bajer , <i>Toward ferromagnetic spins interaction: The modification of polyaniline p-conjugation systems</i>
14.25 - 14.50 I-35	Boleslaw Kozankiewicz , <i>On vibronic spectra of single molecules</i>
14.50 - 15.15 I-36	Bogdan Kuchta , <i>Why do we need a ‘miracle’ to get the right hydrogen storage by physical adsorption?</i>
15.15 - 15.40 I-37	Lucyna Firlej , <i>Epitaxial self-assembled nanoporous molecular monolayers on graphite – stability and dynamics by computer simulations</i>
15.40 - 16.00	Coffee Break
	Session 11 Chair: Malgorzata Zagorska
16.00 - 16.25 I-38	Régis Barillé , <i>Mastering nanoobjects with photoswitchable molecules for nanotechnology applications</i>
16.25 - 16.50 I-39	Marina Servol , <i>Ultrafast Photoswitching of Molecular Materials Properties</i>
16.50 - 17.15 I-40	Gerald Dujardin , <i>Electrical activation of nano-sources of photons</i>
17.15 – 17.40 I-41	Anna Zawadzka , <i>Optical properties of selected organometallic compounds thin films deposited by PVD technique</i>
17.40 – 18.05 I-41	Krzysztof Zegadlo , <i>Nonlinear properties of polymer-dispersed liquid crystals</i>
19.30 - 22.00	Gala Dinner and official Closing Ceremony
	Thursday, September 08 Departure of the Participants

PL = Plenary lecture

I = Invited lecture

P = Poster