

Annual NISM meeting 2019

UNamur (Auditorium CH01, Rue Grafé 2, 5000 Namur)
September 20th 2019

Welcome, Pr. Benoît CHAMPAGNE: 8H50-9H00

Oral session 1, chairwoman Pr. Carmela APRILE

Nathalie JOB <i>(Invited Talk)</i>	"Nanostructured materials for catalytic applications in low-temperature fuel cells"	9H00- 9H45
Lorraine SOUMOY	"Surface modified Ga-silicates catalysts prepared via the aerosol process"	9H45-10H05
Yang DING	"Polarized 2-D hierarchical B doped g-C ₃ N ₄ nanoplates architectures for highly enhanced visible light photocatalytic activity"	10H05-10H25

Coffee break and poster session: 10H25-10H55

Oral session 2, chairman Pr. Laurent HOUSSIAU

Emile HAYE	"A tailored plasma process for tailored nanoparticles"	10H55-11H15
Trung P. THANH	"Preparation of high crystalline quality, large area films of MoTe ₂ by molecular beam epitaxy"	11H15-11H35

Flash poster session (3 minutes each) : 11H35 – 12H15

24	Florian BOCHESE	"Influence of Al-doped Zn target phase composition on sputtering characteristic in PVD"
25	Roshan CASTELINO	"Phase controlled synthesis of MoTe ₂ on graphene/SiC(0001) by MBE"
21	Adrien COMES	"Synthesis of Ti-SiO ₂ based catalysts for cascade reactions"
22	YingYing WANG	"Synthesis of magnéli TiO _{2n-1} for PEC water splitting"
23	Oleksandra YEROMINA	"Fluorescent silica nanoparticles for photocatalytic application"
20	Pierre BEAUJEAN	"Evaluating the electronic and vibrational contributions to second and third harmonic scattering responses"
18	Mathieu LADOUCE	"Scattering of ultraviolet light by avian eggshells"
19	Marie LOBET	"Control of fluorescence emission in a beetle's 3D photonic structures"

Lunch and poster session: 12H15-14H00

Oral session 3, chairwoman Pr. Francesca CECCHET

Pierre-François BREVET <i>(Invited Talk)</i>	"Coherent and Incoherent response in Second Harmonic Generation: Seeing at the Nanoscale"	14H00-14H45
Julie BOUHY	"Adapted polarizing microscopy technique for the determination of birefringence patterns in parchments"	14H45-15H05
Mathilde REMY	"Interaction of photon pairs in a maximally entangled polarisation state with thin metallic films"	15H05-15H25

Coffee break and poster session: 15H25-15H55

Oral session 4, chairman Pr. Vincent LIEGEOIS

Antoine FAUROUX	"Understanding the magnetron PECVD of DLC films in an acetylene admixture with a hybrid PICMC/DSMC model"	15H55-16H15
Jean QUERTINMONT	"Study of the effect of cocrystallization on a N-salicylideneaniline switch using a combination of periodic and embedded quantum theory methods"	16H15-16H35

Conclusions: 16H35-16H45

Reception: 16H45

Poster sessions

1	Ali BEN SAIDA	"Bifunctional Lewis acid base catalysts derived from triptycene"
2	Ewa BIELA	"Gold nanoparticles as radiosensitizers in proton therapy in 4T1 tumour in BALB/c model"
3	Tom CARDEYNAELS	"Thermally Activated Delayed Fluorescence – Rational design using a joined synthetic and computational effort"
4	Emna CHERNI	"Magnetically-induced current densities in helicenes"
5	Yang DING	"Polarized 2-D hierarchical B doped g-C3N4 nanoplates architectures for highly enhanced visible light photocatalytic activity"
6	Martin EVRARD	"Thickness uniformity optimization of films deposited by PVD on complex substrates in motion"
7 7bis	Ornella FICHERA	"Characterization of gold films and gold nanoparticles synthesized by physical and chemical way" + "Physicochemical characterizations and toxicity assessments of spray coating containing manufactured nanomaterials, generated by atomization"
8	Mathieu GAMA	"Synthesis, structure and reactivity of frustrated Lewis pairs based on triptycene and [5]-helicene scaffolds"
9	Thu HONG DOAN	"New bora-anthracenes as Lewis acids and anion sensors"
10	Hongyan LI	Ordered hierarchical porous carbon materials synthesized by dual-template method for advanced Li-Se battery
11	Amélie MAERTENS	"Optimization of catalysts features and reaction conditions for the conversion of raw glycerol"
12	Alexandre MAYER	Optimization by a genetic algorithm of pyramidal structures made of one, two or three stacks of metal/dielectric layers for a quasi-perfect broadband absorption of UV to near-infrared radiations
13	Loïc MINEUR	"Synthesis of Novel Bifunctional Boron/Nitrogen Frustrated Lewis Pairs"
14	Jérôme MULLER	"Multi-scale modelling of TCO coating deposited by reactive magnetron sputtering: application to structured c-Si thin film solar cells"
15	Adrien NELIS	" ¹⁸ O(p,α) ¹⁵ N isotopic tracing of germanium diffusion"
16	Yoann OLIVIER	"On the nature of the singlet and triplet excitations mediating thermally activated delayed fluorescence"
17	Alvise VIVIAN	"The high activity of aerosol-made Ga-silicate catalysts for solketal synthesis explained by a deep structural investigation"

Poster numbers are helpful for orientation in posters exposition hall.