

Journées Jeunes Chercheurs.euses Young Researchers' Days

ED - EMSTU

 26th and 27th March 2026

Planning

Thursday, March 26th

- 08:30 > 09:30 **Reception of participants/ Welcome coffee**
- 09:30 > 09:45 **Opening ceremony by Prof. Camélia TURCU, Vice President of Research commission**
- 09:45 > 10:30 **Talk n° 1 | 10 ans après l'accord de Paris: où en sommes-nous sur le climat ? – Goneri Le COZANNET (Ingénieur au BRGM, expert des impacts du changement climatique)**
- 10:30 > 10:45 **Assessment of participants' transportation carbon footprint**
- 10:45 > 12:30 **Oral session n°1 | Chaired by Prof. Nacim RAMDANI and Limaye PRANAV**
- 12:30 > 14:00 **Lunch break**
- 14:00 > 14:15 **Photo session**
- 14:15 > 15:00 **Roundtable | Participation in the roundtable discussion entitled « From PhD to profession: early-career integration pathways »**
- 15:00 > 15:45 **Poster session | Coffee break**
- 15:45 > 17:25 **Oral session n°2 | Chaired by Prof. Anne-Lise THOMANN and Madjid ADJABI**
- 17:25 > 18:00 **End of day 1**
- 19:00 > 00:00 **Gala dinner | Garden Ice Café restaurant, 1 Place de la Loire, 45000 Orléans**

Friday, March 27th

- 09:00 > 09:45 **Talk n° 2 | Du laboratoire à la bande-dessinée : un exercice de médiation auprès du grand public – Thomas DEFFORGE (Maître de Conférences INSA CVL - Campus de Blois)**
- 09:45 > 10:45 **Oral session n°3 | Chaired by Prof. Franck LEVASSORT**
- 10:45 > 11:15 **Coffee break**
- 11:15 > 12:15 **Oral session n°4 | Chaired by Prof. Valéry CATOIRE**
- 12:15 > 14:00 **Lunch break**
- 14:00 > 15:00 **Oral session n°5 | Chaired by Prof. Mohammed BOUSSAFIR**
- 15:00 > 15:30 **Coffee break**
- 15:30 > 16:30 **Oral session n°6 | Chaired by Antoni AUGÉ and Baptiste DISSON**
- 16:30 > 16:45 **Award ceremony by Titaina GILBERT**
- 16:45 > 17:00 **Closing by Septuce ZIN**

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Detailed program of Thursday 26th (morning)

08:30 > 09:30 Reception of participants/ Welcome coffee

09:30 > 09:45 Opening ceremony by Prof. Camélia TURCU, Vice President of Research commission

09:45 > 10:30 **Talk n° 1 | 10 ans après l'accord de Paris: où en sommes-nous sur le climat ? – Goneri Le COZANNET** (Ingénieur au BRGM, expert des impacts du changement climatique)



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Depuis 2015, les politiques publiques climatiques tel que le soutien au développement des énergies renouvelable et l'électrification permettent d'éviter quelques milliards de tonnes d'émissions de CO₂ tous les ans. Ces progrès sont réels, mais insuffisants pour atteindre les objectifs de l'accord de Paris de limiter le réchauffement climatique bien en deçà de 2°C en moyenne globale. Pour atteindre ces objectifs et contenir les pertes et dommages pour l'économie, les humains et la biodiversité, plusieurs enjeux immédiats sont bien identifiés: restaurer les conditions pour la mise en œuvre d'une transition vers la soutenabilité, notamment en préservant le droit international, la démocratie et l'Etat de droit là où ils persistent encore, mettre en place une offre de produits et services décarbonés accessibles et bon marché et enfin mettre en place des politiques orienté demande compatibles avec les limites physiques du monde réel.

10:30 > 10:45 **Assessment of participants' transportation carbon footprint**

10:45 > 12:30 **Oral session n°1 | Advanced Materials & Functional Nanostructures | Chaired by Prof. Nacim RAMDANI and Limaye PRANAV**

SO1-01	PhD student	Loïc DUBOIS	GREMAN, University of Tours	Application of neural networks to the functional characterization of piezoelectric materials for ultrasonic transduction
SO1-02	PhD student	Aryan ARYAN	GREMI, University of Orleans	Carbon-Assisted Growth of Pt and PtSn Nanoparticles for Hydrogen Fuel Cell
SO1-03	PhD student	Madjid ADJABI	GREMI, University of Orleans	Cryogenic Atomic Layer Etching of MoS ₂ using cyclic CF ₄ and Argon plasma step
SO1-04	PhD student	Thinhinane HAMADACHI	ICMN, University of Orleans	Corrélation méthode d'électrophorymerisation - nanostructuration - propriétés dans les polymères à empreinte moléculaire
SO1-05	PhD student	Ilyass AABOUCH	GREMAN, University of Tours	Raman Studies of Ferroelectrics Freestanding Membranes

12:30 > 14:00 **Lunch break**

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Detailed program of Thursday 26th (afternoon 1/2)

 14:00 > 14:15 **Photo session**

 14:15 > 15:00 **Roundtable | Participation in the roundtable discussion entitled « From PhD to profession: early-career integration pathways »**
Chaired by Prof. Eric FLORENTIN, Professor at INSA Centre-Val de Loire

- Nicolas VILLENAVE | Former PRISME PhD student | Orléans | Postdoctoral researcher at ICARE-CNRS
- Barthélémy ASPE | CNRS – University of Orléans | Orléans | Senior lecturer
- Augusto STANCAMPIANO | CNRS | Orléans | GREMI | Research fellow

 15:00 > 15:45 **Poster session | Coffee break**

SP-01	PhD student	Sophie AUGER	ICARE, University of Orleans	A Novel Apparatus to Study Pheromone-Aerosol Interactions and Their Effects on Insect Behaviour
SP-02	PhD student	Maxence CODRON	GREMI, University of Orleans	Characterisation of non-linear instabilities in plasmas containing nanoparticles
SP-03	PhD student	Louis LEFFRAY	GREMAN, University of Tours	Characterization of an ultrasound gel under stress for intraoral imaging
SP-04	PhD student	Victor BARRERE	ICMN, University of Orleans	Deep learning analysis of nanoalloys from HRTEM images
SP-05	PhD student	Hannah KIRKWOOD	LPC2E, University of Orleans	Fine Structures of Type III Radio Bursts
SP-06	PhD student	Almodares AHMAD TARIF	ICMN, University of Orleans	Position and shape of a bubble in unsaturated spherical pores
SP-07	PhD student	Alexis LABROUVE	LaMé, University of Tours	Acquisition of pressure and strain maps during uniaxial compression of a three-dimensional braided textile structure
SP-08	PhD student	Muhammad SULEMAN	CEMHTI, University of Orleans	Radical-mediated regeneration of saturated activated carbons used in water treatment
SP-09	PhD student	Yoan SOARES	ICMN, University of Orleans	Régénération de carbones activés par oxydation avancée à partir d'énergie solaire
SP-10	PhD student	Hugo PERRUCHOT	LaMé, University of Tours	Seuil de cavitation post-impact balistique : étude expérimentale et approximation du rayon de bulle
SP-11	PhD student	Shaza ISLIM	GÉHCO, University of Tours	Study of microplastic pollution and its degradation products in the Loire River
SP-12	PhD student	Gopika JUSHAR	ICMN, University of Orleans	Study of phonon dynamics in non-graphitizable carbon by Raman scattering
SP-13	Master student	Nahira MAREUIL	GREMI, University of Orleans	Development and characterization of plasma processes for deep dielectric etching in "cryogenic mode"
SP-14	PhD student	Bochra SEAALI	ICMN, University of Orleans	Evaporation-induced formation of nanorods on surfaces by supra-molecular assembly of functional polymers

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Detailed program of Thursday 26th (afternoon 2/2)

15:45 > 17:25 **Oral session n°2 | Plasma Processes from Fundamental Mechanisms to Medical Applications | Chaired by Prof. Anne-Lise THOMANN and Madjid ADJABI**

SO2-01	PhD student	Baptiste DISSON	GREMI, University of Orleans	Breaking Down the Breakdown: Highlighting the breakdown elementary mechanisms in micro-gaps
SO2-02	PhD student	Dounia HEZILI	GREMI - CBM, University of Orleans	Cold plasma and artificial intelligence for the detection of skin tumors
SO2-03	PhD student	Abdel Rahman DAHER	GREMI, University of Orleans	In Situ Quartz Crystal Microbalance Diagnostics for Dusty Plasma Characterization in Hydrocarbon RF Capacitively Coupled Discharge
SO2-04	PhD student	Lynda LOUNIS	GREMI, University of Orleans	Silver thin film deposition on periodically structured silicon substrate for antibacterial applications
SO2-05	Master student	Steven BOUQUIN	GREMI, University of Orleans	Cold Plasma and AI for skin tumors detection

17:25 > 18:00 **End of day 1**

19:00 > 00:00 **Gala dinner | Garden Ice Café restaurant, 1 Place de la Loire, 45000 Orléans**

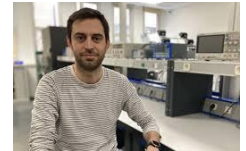
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Detailed program of Friday 27th (morning)

09:00 > 09:45 **Talk n° 2 | Du laboratoire à la bande-dessinée : un exercice de médiation auprès du grand public – Thomas DEFFORGE**
(Maître de Conférences INSA CVL - Campus de Blois)



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Les résultats de la recherche sont généralement diffusés via des articles scientifiques et des conférences, des formats indispensables mais peu accessibles au grand public, ce qui renforce l'idée d'une science réservée aux spécialistes. Pour y remédier, les pouvoirs publics soutiennent depuis plusieurs années des actions de médiation comme la Fête de la science ou Ma thèse en 180 secondes, qui rendent les connaissances plus accessibles et attractives.

Dans cette dynamique, l'auteur a choisi d'explorer la bande dessinée comme outil de vulgarisation après quinze ans de carrière académique. Ce médium permet d'associer texte et image pour faire découvrir aux jeunes le quotidien des chercheurs et les principes scientifiques, ici à travers le personnage de Porus et les matériaux poreux en biomédical. La médiation scientifique, en s'appuyant sur des formats créatifs comme la BD, le jeu ou l'art, vise ainsi à rapprocher la science de la société, à susciter la curiosité et à inspirer de nouvelles vocations.

09:45 > 10:45 **Oral session n°3 | Energy Systems, Hydrogen and Industrial Processes | Chaired by Prof. Franck LEVASSORT**

SO3-01	PhD student	Antoni AUGE	CEMHTI, University of Orleans	Impact of Spectral Wall Emissivity on Industrial Furnace Performance : A Monte Carlo Modeling Approach Based on Experimental Measurements
SO3-02	PhD student	Baptiste FONTAINE	LPC2E, University of Orleans	Measuring atmospheric vertical profiles of H ₂ using micro-structured materials
SO3-03	PhD student	Jules TOUPIN	GREMAN, University of Tours	Study of Hydrogen Embrittlement in Steels Using Ultrasonic Methods

10:45 > 11:15 **Coffee break**

11:15 > 12:15 **Oral session n°4 | Functional Polymers, Nanocarbons and Emerging Devices | Chaired by Prof. Valéry CATOIRE**

SO4-01	PhD student	Romann FERNANDES	GREMAN, University of Tours	Characterisation of bio-based functional polymers for high-frequency imaging
SO4-02	PhD student	Doha TAJ	ICMN, University of Orleans	Growth and Structural Characterization of Pt–Ni–Cu Nanoalloys
SO4-03	PhD student	Muhammad HAMZA	GREMI, University of Orleans	Plasma based conformal growth of vertical graphene on 3D nanostructures for advanced functional devices

12:15 > 14:00 **Lunch break**

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14:00 > 15:00 Oral session n°5 | Environment, Fluids and Earth/Soil Systems | Chaired by Prof. Mohammed BOUSSAFIR

SO5-01	PhD student	Merveil EBENGO	INRAE, Info & Sols	Coupled dynamics of water and nitrogen transfer in a wheat pot experiment with remoulded stony limestone soil
SO5-02	PhD student	Khaled ABDELAZIZ	PRISME, INSA-CVL	Effect of Free-Stream Turbulence on the Wake of a Porous Disc
SO5-03	PhD student	Mounir ALFAZZAA	CEMHTI, University of Orleans	Microstructure of tungsten irradiated under tokamak-relevant conditions

15:00 > 15:30 Coffee break

15:30 > 16:30 Oral session n°6 | Physical Characterization Techniques Applied to Plasma, Nanomaterials, and Astrophysical Populations | Chaired by Antoni AUGE and Baptiste DISSON

SO6-01	PhD student	Pradeep MURUGESAN	GREMI, University of Orleans	Helium Plasma Jets for the Treatment of Skin Lesions (Actinic Keratosis)
SO6-02	PhD student	Mishel RAJESH-SHERLY	ICMN, University of Orleans	Growth dynamics and electronic properties of nanometallenes
SO6-03	PhD student	Pranav LIMAYE	LPC2E, University of Orleans	Unveiling the millisecond pulsar population in the Galactic Bulge using MeerKAT and Murriyang radio telescopes

16:30 > 16:45 Award ceremony by Tatiana GILBERT

16:45 > 17:00 Closing by Septuce ZIN