PROGRAM

	MONDAY 29 JUNE
15h00	*Opening*
15h30	*Laboratory visit*
17h00	*Welcoming speech*
	AUDITORIUM CTP / COGNARD
17h15	KEYNOTE - ARACELI GARCIA NUNEZ - «GREEN AND SUSTAINABLE CHEMISTRY FOR POLYSACCHARIDES FUNCTIONALIZATION»
17h45	KEYNOTE - ROMAIN MILOTSKYI - «BEYOND CLASSICAL SOLVENTS: A COMPARATIVE LOOK AT UNCONVENTIONAL STRATEGIES FOR CELLULOSE ESTER SYNTHESIS»
18h15	*Wine and Cheese - Appetizer*
20h15	*End*

	TUESDAY 30 JUNE			
	CELLULOSE & CELLULOSE DERIVATIVES			
8h00	***Opening***			
	AUDITORIUM CTP / COGNARD			
8h45	**KEYNOTE - JULIEN BRAS - «USE OF TWIN SCREW EXTRUSION TO PRODUCE MULTI-SCALE CELLULOSIC MATERIALS»**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	
9h25	Production of microfibrillated cellulose for fibre-based packaging applications.	Tunable Interfaces in Cellulose Nanocrystals via Biobased Surface Adsorption	Fragility of cellulose derivatives: a case study on hydroxypropyl methyl cellulose	
	David Skuse, Fiberlean (United Kingdom)	*Isabelle Capron, INRAE (France)*	*Arvindh Suresh, Chalmers (Sweden)*	
9h45	Tailored Pretreatments for Energy-Efficient Fibrillation of Lignocellulosic Biomass	Development of an opening process for microfibrillated cellulose film aiming at improving its functionalization through a gas phase process	Toward scalable cellulose ester films preparation in a DBU–CO2 switchable solvent: from batch synthesis to reactive extrusion at high-solid content	
	Beatriz Arsuffi, EMPA (Switzerland)	*Thibault Michelon, Cermav (France)*	*Mohammed Aouay, LCPO - Université de Bordeaux (France)*	
10h05	Innovative oxidizing system for the production of Micro-fibrillated cellulose (MFC) at the industrial scale	From Hardwood to High-Performance Cellulose: Tailored Crystalline Cellulose via Sunburst™ Fractionation	Microstructural Evolution and Self-Assembly of Cellulose Nanocrystal Gels	
	Nathalie Marlin, LGP2 - UGA (France)	*Gert Preegel, Fibenol (Estonia)*	*Somonika Virak, UGA (France)*	
10h25	***Break***			
	AUDITORIUM CTP / COGNARD			
10h55	**KEYNOTE - CARMEN FREIRE - "THE POTENTIAL OF BACTERIAL NANOCELLULOSE FOR THE DESIGN OF DIFFERENT BIOBASED NANOMATERIALS"**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	
11h35	Exploring novel bio-based materials and their applications in conservation and restoration with a new interdisciplinary team: The case of European project BIOBASED2UC	Multilayer biobased packaging films from nanocelluloses from food industry by-products	Synchrotron-based circular dichroism of cellulose naocrystals suspensions: striking signal intensity from anisotropic optical properties	
	Naceur Belgacem, LGP2 (France)	*Chloe Chevigny, INRAE (France)*	*Hugo Voisin, INRAE BIA (France)*	
11h55	Scale-up of cellulose nanofibrils film production by solvent casting: preliminary study	Development of fully bio-based composites	Stability of nanocellulose made with oxalic acid	
	Sandra Magina, University of Coimbra (Portugal)	*Juliette Lacroix, LGP2 (France)*	*Beatriz Swensson, KTH (Sweden)*	
12h15	Elongational flow behaviour of cellulose nanofibrils gels during wet spinning: effect of the coagulation and washing	Mechanochemical Synthesis and Characterization of Superabsorbent Polymers Derived from Paramylon and Zein		
	Cheryle Manfouo Tchoupmene, INSA Lyon (France)	*Hao Wang, Kanazawa University (Japan)*		

12h35	***Lunch***			
	AUDITORIUM CTP / COGNARD			
14h00	**KEYNOTE - GILBERTO SIQUEIRA - "PROGRAMMING FUNCTIONALITY IN 3D-PRINTED NANOCELLULOSE MATERIALS"**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	***ROOM B108***
14h40	Novel technologies for the production of low-cost microfibrillated cellulose	Regioselective cellulose esterification using twin screw extruder	Breaking the cellulose recalcitrance by catalytic reactive extrusion with citric acid	Production of Biodegradable Nanocellulose Foams as Sustainable Alternatives to Polystyrene
	Pilar Albaladejo, ITENE (Spain)	*Kenji Takahashi, Kanazawa University (Japan)*	*Abdul Hafeez, Kanazawa University (Japan)*	*Dawood Bin Fazal, Monash University (Australia)*
15h00	Valorization of lignin-first side streams for cellulose nanofibril production	Expanding the Bioplastic Toolbox: High-Performance Cellulose Esters via Sustainable Aromatic and Unsaturated Functionalization	Highly anionic cellulosic fibres : a new solution to increase paper / board strength properties.	Encapsulation of bioactive molecules in Pickering emulsions stabilized by bacterial cellulose produced by Kombucha fermentation of grape pomace
	Buse Tatli, EPFL (Switzerland)	*Luke Froment, Univ Lorraine (France)*	*Bruno Carré, CTP (France)*	*Nydia Ileana Guzman Barrera, LCPO - Université de Bordeaux (France)*
15h20	CMC-Assisted, Energy-Efficient Production of Microfibrillated Cellulose	Mechanochemistry and Natural Deep Eutectic Solvents: A Convergent Platform for the Sustainable Nanotransformation of Cellulose	Interplay between functional group chemistry and water interactions in modified cellulose fibers	Carnauba wax-modified cellulose nanofibrils as Pickering stabilizers for oil-in-water emulsions and use in bio-based postharvest coatings
	Arnaud Benard, Fedrigoni (France)	*Daniella Morgado, LGP2 (France)*	*Johanna Sjölund, KTH (Sweden)*	*Donia Farhart, CIMO, LA SusTEC, Instituto Politécnico de Bragança (Portugal), Organic Chemistry Laboratory, Faculty of Sciences of Sfax (Tunisia), Faculty of Sciences of Gafsa (Tunisia)*
15h40	***Break***			
	AUDITORIUM CTP / COGNARD			
16h10	**KEYNOTE - KRISTIN SYVERUD - "ENGINEERING WITH NANOCELLULOSE: STRUCTURE, PROPERTIES AND CROSS SECTOR OPPORTUNITIES"**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	
16h50	Rotary Fed-Batch Bioprocessing for Enhanced Bacterial Cellulose Production: Toward Sustainable Media Based on Agrifood Residues	Exploring synergistic chemo-biological pretreatment of rice straw for enhanced carboxymethyl cellulose synthesis	Production of nanocelluloses and their utilization in different applications	
	Francesco Donsi, University of Salerno (Italy)	*Santi Chuetor, King Mongkut's University of Technology North Bangkok (Thailand)*	*Arthur Valencony, FCBA (France)*	
17h10	From Biofabrication to Preservation: Transparent Bacterial Cellulose for Cultural Heritage Preservation	A Meta-Analysis of Machine Learning Applications for Sustainable Lignocellulosic Biomass Valorization	Twin-screw extrusion with thermopressing process of maize cobs for the production of dense bio-based panels with P2-type mechanical performance	
	Ricardo Pinto, University of Coimbra (Portugal)	*Ronald Marquez, Girona (Spain)*	*Mahutondji Cédric Agbessi, INP Toulouse (France)*	
17h30	Posters session - Cellulose and cellulose derivatives and New Advanced Materials			
18h30	***End***			

	WEDNESDAY 1 JULY			
	NEW ADVANCED MATERIALS			
8h00	***Opening***			
	AUDITORIUM CTP / COGNARD			
8h45	**KEYNOTE - TATIANA BUDTOVA - «FROM CELLULOSE SOLUTIONS TO AEROGELS: CONTROLLING STRUCTURE AND PROPERTIES»**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	***ROOM B108***
9h25	Hygromorphic nanocomposites elaborated by filtration and ultraviolet curing of cellulose nanocrystal suspensions	Dual functionalization strategy for nanocellulose-based antimicrobial surfaces	Evaluation of Phosphorylated Lignocellulosic Nanofibrils as Multifunctional Bio-Based Binders for Particleboard Manufacturing	Increasing Surface Charge Density: Towards All-Cellulose Proton-Conducting Membranes
	Frédéric Pignon, LRP (France)	*Elisa Bianchi, University of Florence (Italy)*	*Abdelaziz Elattar, UM6P (Morocco)*	*Joao Cosas, CERMAV (France)*
9h45	Water vapor transport in nanocellulose membranes: Influence of arginine carrier content and humidity condition	Bioinspired Cross-Oriented Multilayer Nanocellulose Films via Shear-Induced Alignment	On the use of dry processing methods to manufacture low environmental-footprint binderless biobased materials from lignocellulosic biomass	High-performance microfibrillated cellulose membranes: synergistic effects of sulfonation and SSA crosslinking for green fuel cells
	Elena Medri, LGP2 (France)	*Elizangela Hafemann Fragal, LRP (France)*	*Quentin Charlier, LGP2 (France)*	*Laura Giraldo Isaza, SyMMES (France)*
10h05	Applications of Nanocellulose in the Preservation of Cultural Heritage	Production of High-Performance of Continuous wet-spinning filaments from high solid content of cellulose nanofiber/alginate crosslinked hydrogel	Flexoelectricity as an electromechanical coupling in cellulose films	Design of pores in the cellulose aerogels by using small molecules and controlling the aggregation at the interface
	Rémy Dreyfuss-Deseigne, Atelier Dreyfuss-Deseigne / Conservation-restauration des Arts et documents graphiques (France)	*Ramzi Khiari, LGP2 (France)*	*Jasmine Jose, BIA INRAE Nantes (France)*	*Kathirvel Ganesan, DLR, Institute of Frontier Materials on Earth and in Space (Germany)*
10h25	***Break***			
	AUDITORIUM CTP / COGNARD			
10h55	**KEYNOTE - BLAISE TARDY - "EXPANDING POSSIBLE HORIZONS FOR THE ISOLATION AND USE OF CELLULOSICS"**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	***ROOM B108***
11h35	Wood-based sustainable cellulose materials and applications	Toward new biosourced plastic materials based-on mixed FACEs bearing linseed oil derivatives	Bio-based draining layers for menstrual pads obtained from lignocellulosic fibers through papermaking processes	From Renewable Fibres to Functional Interfaces: Porous Lyocell Membranes for Advanced Energy Applications
	Theo van de Ven, McGill University (Canada)	*Nicolas Joly, Artois University (France)*	*Léa Caban, LGP2/3SR (France)*	*José Miguel Matos, CeNTI (Portugal)*
11h55	Coating of cellulose textile yarn through a dip-coating process with carbonized flax shives for smart textile applications	Functionalization of cellulose to produce new materials for packaging, textiles, and composite materials	Linking Barrier Performance and Transport Pathways in Ethyl Cellulose-Coated Cellulose via Real-Time Impedance Spectroscopy	One Resource, Two Functions: Cellulose as Separator and Binder for Charge Storage
	Theo Le Gagne, INRAE (France)	*Fatme Awada, Université de Picardie Jules Verne (France)*	*Alessia Barzotti, Alma Mater Studiorum-University of Bologna (Italy)*	*Julian Selinger, Hochschule Campus Wien (Austria)*
12h15	All-Cellulose Composites for Advanced Sustainable Textile Applications	Bio-based alternatives to PFAS for conferring high hydrophobicity and oleophobicity to packaging and fabrics.	Microstructural Control of Cellulose-Based Beads for Tunable Oxygen Release	A Charged Relationship Between Cellulose and Chitosan Derivatives
	Maria C. Teixeiera, CICECO - Aveiro Institute of Materials / University of Aveiro (Portugal)	*Lara Gumusboga, Celabor (Belgium)*	*Camila Gruber Chiaregato, University of Sao Paulo (Brazil)*	*Joice Kaschuk, Wageningen University (Netherlands)*

12h35	***Lunch***			
	AUDITORIUM CTP / COGNARD			
14h00	**KEYNOTE - TIFFANY ABITBOL - "MYCELIUM-BOUND NANOCOMPOSITES FOR PACKAGING"**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	
14h40	Renewable and biodegradable superabsorbent polymers (SAPs)	Architecturing paper sheets using 4D printing of starch gels: towards lighter papers for packaging	Unexpected thickness-driven volume expansion in tunicate cellulose nanocrystal-based multilayer films	
	Audrey Drieux, LGP2 (France)	*Clément Turpin, LGP2 (France)*	*Olivier Felix, CNRS - Insitut Charles Sadron (France)*	
15h00	From Forest and Vineyard Waste to Clean Water: Lignocellulosic Adsorbents for Iron and Manganese Removal	Mechanical reinforcement of cellulose nanocrystals filled natural rubber processed by colloidal mixing	All-in-one natural biocomposite okara from soy waste as a promising barrier film	
	Daniela Morales Universidad Católica de la Santísima Concepción (Chile) and ONDESS (France)	*Matthieu Fumagalli, IMP / UCBL (France)*	*Anna Koptelova, EPFL (Switzerland)*	
15h20	Adsorption of Alizarin Dye using Cellulose Nanofibrils Extracted from Citrus aurantium Pruning Residues: Isotherm Modeling and Raman Mapping		Engineering Porous Bacterial Cellulose Cryogels by Tailored Processing and Sustainable Cross-Linking	
	Faycal Dergal, CRAPC (Algeria)		*Edoardo Zonta, University of Trento (Italy)*	
15h40	***Break***			
	AUDITORIUM CTP / COGNARD			
16h10	**KEYNOTE - PER LARSSON - "WIDENING OF THE PROPERTY SPACE AND THE PROCESSABILITY OF CELLULOSE FIBRES BY CHEMICAL MODIFICATION"**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	
16h50	Cellulose-based adsorbents for CO2 capture	Programmable Corrugated Paper via Hygroexpansion: Toward Thermoforming-Free Corrugated Board	Pickering emulsions stabilized by phosphorylated lignin-cellulose nanofibrils	
	Maïté Michaud, CERMAV (France)	*Jérémie Viguié, LGP2 (France)*	*Houssine Sehaqui, UM6P (Morocco)*	
17h10	Process-structure-properties relationships in fiber foams for biobased absorbent and retentive menstrual pads	Getting paper fibres into shape: An approach to form 3D-profiles made of lignocellulosic fibres with strand extrusion.	Mechanochemical functionalization of cellulose nanofibers for enhanced hydrophobicity targeting Pickering emulsion stabilization	
	Valentin Gemin, LGP2 (France)	*Tom Schilling, PTS - Institut für Fasern und Papier gGmbH (Germany)*	*Lucas Shinti Iwamura, Centro de Investigação de Montanha, Instituto Politécnico de Bragança (Portugal)*	
17h30	Posters session - Packaging application and Sustainable End of life			
18h30	***End***			
20h	***Gala dinner - CIEL Restaurant***			

	THURSDAY 2 JULY			
	PACKAGING APPLICATION AND SUSTAINABLE END OF LIFE			
8h00	***Opening***			
	AUDITORIUM CTP / COGNARD			
8h45	**KEYNOTE - YUTAKA TAKEUCHI - «FROM SUBSTITUTION TO REGENERATION: CELLULOSE PLASTICS AS PLATFORMS FOR MARINE ECOSYSTEM ENHANCEMENT»**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	***ROOM B108***
9h25	Divergent Marine Biodegradation of Cellulose Acetate and Cellulose Propionate: Structure, Microbial Drivers, and Environmental Persistence	MFC in Moulded Fibre – Beyond Lightweighting	Development of hydrophobic cellulose packaging: from laboratory scale to industrial processing	Paper packaging heat sealing: a new approach
	Wilasinee Kotcharoen, Kanazawa University (Japan)	*Ben Bulson, Fiberlean Technologies Ltd (United Kingdom)*	*Angelica Giovagnoli, University of Bologna (Italy)*	*Océane Averty, LGP2 - UGA (France)*
9h45	Assessing plastic and celullose based food containers through Life Cycle Assessment (LCA): Adressing microplastic impacts	Advancing Pulp Injection Molding: Evaluation of Feeding and Dosing Technologies for Aqueous Fiber Suspensions	Development of barrier paper for a packaging recyclable and compliant with the regulations	Water Interactions in Cellulose Ester Films: Thin-Film Sensitivity and Macroscopic Barrier Behaviour
	Insaf Mekni, EVEA and Mathilde Bernard-Catinat, LGP2 (France)	*Anika Fuhrmann, SKZ KFE (Germany)*	*Fleur Rol, CTP (France)*	*Asle Hammer Berget, NTNU (Norway)*
10h05	Development of a Marine-Biodegradable Plastic Substrate for Culturing the Stony Coral, Acropora hyacinthus	Injection molding of cellulose fibers to shape the future of 3D packaging	Impact of formulation on edible coatings for fruit preservation: Optimizing formulation for optimal adhesion and protection	CHROMAT-OH: An industrial PPWR compliant solution for flexible food packaging
	Jing Wen Michelle Wong, Kanazawa University (Japan)	*Emilien Fréville, Injectose (France)*	*Emma Pigneres, LGP2 (France)*	*Claire Monot, CTP (France)*
10h25	***Break***			
	AUDITORIUM CTP / COGNARD			
10h55	**KEYNOTE - FILOMENA BARREIRO - "ADVANCING CELLULOSE-BASED PACKAGING VIA PICKERING EMULSION TECHNOLOGY"**			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	***ROOM B108***
11h35	Effect of sizes and concentrations of cellulose acetate microplastics on bioaccumulation and reproductive characteristics in Daphnia magna	Multiscale Structural Evolution of Cellulose Fiber Networks in Three-Dimensional Dry Forming	Curcumin-functionalized cellulose films via Pickering emulsions: a sustainable strategy for incorporating hydrophobic functionalities	Development and standardization of a new method for grease barrier characterization of fluorine-free paper and paperboard
	Jutamas Phothakwanpracha, Kanazawa University (Japan)	*Polina Naidjonoka,Yangi AB (Sweden)*	*Heloisa Almeida, Centro de Investigação de Montanha / Instituto Politécnico de Bragança (Portugal)*	*Clementine Darpentigny, CTP (France)*
11h55	Transparent Paperboard: A Fully Circular and Marine-Biodegradable Material	Hygromechanical behavior of wet molded cellulose : A comprehensive experimental characterization	Cellulose-based nanocomposite films reinforced with nano clay for enhanced packaging performance	Process Dependent Properties and Performance of PBAT-Jute Materials for Food Grain Storage Packaging
	Noriyuki Isobe, JAMSTEC (Japan)	*Thibaut Heremans, 3SR (France)*	*Ashish Chahal, Aalto University (Finland)*	*Janani N, Indian Institute of technology Madras (India)*
12h15	Lignin and Hemicellulose Contributions to the Structural Integrity of Recycled Paper Porous Materials	Cellulose 3D shaping through plasticization	Upcycling of agro-industrial feedstocks into designable thermoplastics -Closing the loop for regenerative agricultural solutions	Toward the design of architectured papers using the drying-induced shrinkage of CNC gel
	Amanda Martins Jordao, IMT Mines Albi (France)	*Emma Colombari, KTH (Sweden)*	*Naoki Wada, Kanazawa University (Japan)*	*Antoine Naillon, 3RS (France)*

12h35	***Lunch***			
	AUDITORIUM CTP / COGNARD			
14h00	**ROUND TABLE + PRICE FOR POSTER**			
15h00	***Break***			
	AUDITORIUM CTP / COGNARD	***ROOM D002***	***ROOM D008***	
15h20	Solvolysis processes for flax fibres recycling in automotive composites	Printing moulded cellulose with bio-based inks	Towards Sustainable Packaging: Processing Strategies for Lightweight and Functional Cellulosic Materials	
	Baptiste Buet, INRAE (France)	*Anne Blayo, LGP2 (France)*	*Alexis Suchet, LGP2 (France)*	
15h40	Upcycling of recycled kraft fibers - ozone treatment as a strategy to restore fiber-bonding ability	MicroFibrillated Cellulose barrier solution for food contact applications	Cellulose-Rich Shola Pith (Aeschnomene asper) as a Sustainable Loose-Fill Packaging Material	
	Amelie Lefèvre, LGP2 (France)	*Hélène Curmi, CTP (France)*	*R. Pon Kumar, Indian Institute of Technology Madras (India)*	
16h00	***End of the conference***			

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