Symposium on Chain Transfer Catalysis for Sustainability

Villeurbanne (France), 15-16 September 2026

Preliminary Program

The conference is co-organized by

Laboratory of Catalysis, Polymerization, Processes and Materials (CP2M). CNRS, Lyon1 University, CPE-Lyon

Institute for Molecular and Supramolecular Chemistry and Biochemistry (ICBMS). CNRS, Lyon1 University, CPE-Lyon

Manufacture Française des Pneumatiques Michelin

15 September 2026

Session Chair: Christophe Boisson

8.45-9.00	Opening
9.00-9.40	**KNL1. Catalyst design for a circular polyolefin economy** Rhett Kempe, University of Bayreuth
9.40-10.20	**KNL2. Exploring Reaction Mechanisms in Polymerization Catalysis: From Active Site Dynamics to the Multiple Facets of Chain Transfer Agents** Marie-Eve Perrin, CNRS, Lyon 1 University

Coffee break 10.20-10.50

Session Chair: Rob Duchateau

10.50-11.20	**IL1. Block copolymers of ethylene and styrene prepared via chain shuttling polymerization** Bo Liu, Changchun Institute of Applied Chemistry
11.20-11.40	**CL1.** ***Upcycling polycarbonate into multiblock copolymer using telechelic polybutadiene*** Nissrin Kanso, University of Lille
11.40-12h00	**CL2. Synthesis of very low-density polyethylene using a branched olefin as modifier for polyolefins commodity plastics and blends thereof** André Dickert, University of Bayreuth

Lunch 12.00-14.20

Session Chair: Rhett Kempe

14.20-15.00	**KNL3. Cost-effective and Upscale Synthesis of High-Purity Diorganozinc Compounds for Coordinative Chain Transfer Polymerization** Bun Yeoul Lee, Ajou University
15.00-15.30	**IL2. Mechanistic Insights into Ethylene Chain Transfer in Gibson-type Catalyst through Experimental and Computational Investigations** Yohan Champouret, University of Lille
15.30-16.00	**IL3. Controlled radical and coordination polymerizations of ethylene. Degenerative chain transfer wins for both!** Franck D'Agosto, CNRS, Lyon 1 university

Coffee break 16.00-16.30

Session Chair: Finizia Auriemma

16.30-17.10	**KNL 4. Towards Industrial Scale Telechelics – Chain Transfer Agent Recovery in Recycle-by-Design Polyolefins** Rob Duchateau, Sabic, University of Groningen
17.10-17.40	**IL4. Synthesis of PE-*b*-*i*PP di- and *i*PP-*g*-PE multiblock copolymers via chain transfer polymerisation and plastic blend recycling** Winfried P. Kretschmer, University of Bayreuth
17.40-17.50	**Activation**
17.50-18.00	**Mettler Toledo**

Poster session and Cocktail 18.00-19.30

16 September 2026

Session Chair: Bun Yeoul lee

9.00-9.40	**KNL5. Ethylene–Butadiene Copolymerization toward Sustainable Polyolefins** Dongmei Cui, Changchun Institute of Applied Chemistry
9.40-10.20	**KNL6. Coordinative Chain Transfer Polymerization of Butadiene using Nickel(II) Allyl Systems: A Straightforward Route to Branched Polybutadiene** Philippe Zinck, University of Lille

Coffee break 10.20-10.50

Session Chair: Marie-Eve Perrin

10.50-11.20	**IL5. Chain-Transfer-Mediated Topological Modification of Polyethylene in Metallocene-Catalyzed Ethylene Polymerization** Evgueni Kirillov University of Rennes
11.20-11.40	**CL3. To be added** Jérémy Leroy, Michelin, Lyon 1 University
11.40-12.00	**CL4. Synthesis of telechelic polyethylene building blocks via coordinative chain transfer polymerization** Jannis Lipp, University of Bayreuth

Lunch 12.00-14.20

Session Chair: Philippe Zinck

14.20-15.00	**KNL7. Chain Transfer Catalysis for Multiblock Polymer Design: Bridging Polyolefin Chain Shuttling and Partially Bio-Based PLLA/PCL Systems** Finizia Auriemma, University of Naples
15.00-15.30	**IL6. Polyethylene-like Polyesters: From Synthesis to Application Development** Lidia Jasinska-Walc, Gdansk University of Technology
15.30-15.50	**CL5. Selective Chain Scission of L-lactide / ε-caprolactone Chain Shuttled Copolymers** Abbas Noon, University of Lille