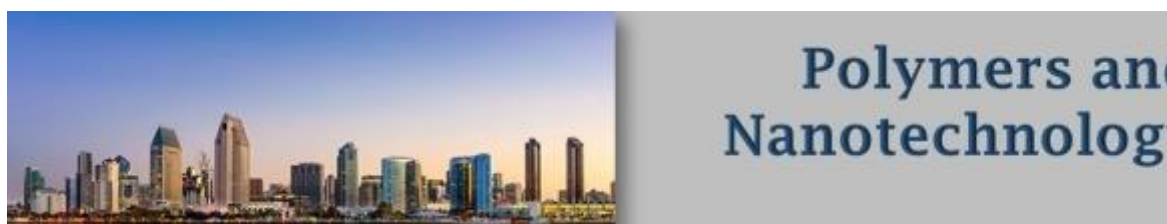


This message contains graphics. If you do not see the graphics, click [here](#) to view



## **POLYMERS AND NANOTECHNOLOGY** *SPECIFIC POLYMERS @ Polymer Workshop in the USA*



**SPECIFIC POLYMERS** last results will be presented during **Polymer and Nanotechnology Congress - San Diego, California - USA, 17-20 December 2017**. During the congress, Dr. Cédric Loubat, SPECIFIC POLYMERS CEO, will present SP innovations in the field.

[Abstract - Polymer Functional Moieties: Key Factor to Improve Nanoscale Synergetic Properties Between Organic and Inorganic Phases.](#)



**SPECIFIC POLYMERS** is dedicated to research **and development in functional polymer and materials** sciences and support academic and industrial partners to develop tomorrow's materials in all fields of research. To stay at the forefront of innovation in polymer and material science, **SP regularly participates in National and International Congresses in all fields where polymers can be involved**. Such International Events are great opportunities to meet scientist from very different fields and to initiate new collaboration. Do not hesitate to contact us if you want to meet Dr. Cédric Loubat during Polymer and Nanotechnology conference

[Contact us](#)

---

**UP-COMING EVENTS**



**ACS SPRING 2018** – New Orleans – USA – March 18–22, 2018 – **Nexus of Food, Energy & Water**. SP will present the importance of cross-fertilization in Polymer Science Industrial R&D.



**MACRO 2018** – Cairns – Australia – July 1–5, 2018 – **World Polymer Congress**. Dr. C. Loubat will give a conference as **Symposia Speaker** in the **Innovation and Industry** theme.



**Polymers in Medicine and Biology** – Santa Rosa – USA – Sep 9–12, 2018. SP is looking forward this conference to present recent innovation in **functional polymers for biomedical applications**.

---

## PAST CONFERENCES



**PANPOLY** – São Paulo – Brazil – March 22–24, 2017. Dr. C. Loubat was invited Speaker during this **first Pan-American Polymer Science Conference** and presented SP innovation in Polymer science.




**Frontiers in Polymer Science** – Seville – Spain May 17–19, 2017. SP gave an oral presentation : **Value your research works, from proofs of concept to hundred grams polymer**.



**SOL GEL 2017** – Liege – Belgium – Sept 3–8, 2017. A. Bouvet-Marchand, PhD student at SP, presented her results in the synthesis of **PEG-alkoxysilane and fluoro-alkoxysilanes** and corresponding **sol-gel thin layers**.

---

## FORMER NEWSLETTERS AT THE GLANCE



**SPECIFIC POLYMERS – CUSTOM SYNTHESIS**

Draw me ... a polymer!

SPECIFIC POLYMERS will make it for you!

SPECIFIC POLYMERS is a B2B service provider and scale-up producer in the field of functional degradable elastomers, polymers and materials with high specificities.


**SPECIFIC POLYMERS provides CUSTOM SYNTHESIS SERVICE**

- Synthesis and synthesis of custom macromolecules
- Scale-up and manufacturing of existing formulas or customer supplied synthesis
- Isolation and recuperation of synthetic pathways
- Optimization of polymer composition, architecture or molecular weight

Draw me ... a functional group!

The functional groups are mainly based on the chemistry of polyurethanes, siloxane, fluorides, acrylate and carbonates. But can also be aromatic such as: AMIDES, EPOXIDES, CARBOXYLIC ACIDS, NITROGEN, SULFONES, SULFIDES, SULFONAMIDES, SULFONIC ACIDS, PHOSPHONATES, etc.

Functional groups attached to SPECIFIC POLYMERS are: OH, alcohols, methacrylates, acrylates, amides, epoxides, urethanes, polyurethanes, etc. methacrylates, and many others functional groups.



**SPECIFIC POLYMERS**

**FUNCTIONAL MONOMERS**  
Chemical reactions for all applications


SPECIFIC POLYMERS EN research activities to build an original polymer with a specific chemistry. The synthesis and design of monomers is made always start with the development of innovative monomers bearing the specific moieties that will bring added-value to your applications. An overview of SP functional monomers of great interest in various field of research is provided here. However, if you are looking for other specific monomers, do not hesitate to contact us. So what we do!

**NEW MONOMERS @ SP**

**SP-20-0117**  
Acrylic  
This monomer is based on the hydroxyethyl methacrylate (HEMA) with a specific functional group attached to the backbone.

**SP-20-0118**  
Acrylic  
This monomer is based on the hydroxyethyl methacrylate (HEMA) with a specific functional group attached to the backbone.

**SP-20-0119**  
Acrylic  
This monomer is based on the hydroxyethyl methacrylate (HEMA) with a specific functional group attached to the backbone.



**SPECIFIC POLYMERS**

**WELL DESIGNED POLYMERS**  
By Controlled Radical Polymerization

Controlled Radical Polymerization (CRP) refers to a family of Radical based Polymerization methods (RAFT, ATRP, NMP, etc.) that allow controlling the molecular weight, the architecture and the end-function of Polymers.

Linear copolymers, star polymers, block copolymers, dendritic copolymers.

CRP is compared with polymer obtained by free radical polymerization. CRP is not and is irreversible controlled reaction and polymer chain ends are functional (pendant double or triple bonds) in order to build up well designed copolymers.

**RAFT**  
Reversible Addition Fragmentation Chain Transfer

**ATRP**  
Atom Transfer Radical Polymerization

**NMP**  
Nitroxide Mediated Polymerization



**SPECIFIC POLYMERS**  
ZAC Via Domitia  
150 Avenue des Cocardières - 34160- Castries - FRANCE  
Tel: +33(0) 4 99 74 91 35 Fax: +33(0) 4 99 74 91 52

SPECIFIC POLYMERS is committed to never sending unwelcome e-mail  
Please click [here](#) to unsubscribe to future informational e-mails