

Vincent MONTEIL

Chargé de Recherche CNRS

Laboratoire de **Chimie, Catalyse, Polymères et Procédés**
(C2P2)

Equipe **Chimie et Procédés de Polymérisation** (LCPP)

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- january 2010-** Chargé de Recherche 1ère Classe CNRS
- 2005-2009** Chargé de Recherche 2ème Classe CNRS
- 2003-2005** Postdoc position in Germany
Universität Freiburg - Institut für Makromolekulare Chemie
puis Universität Konstanz / Prof. Dr. Stefan MECKING
- 1999-2002** Ph.D. Thesis of the Claude Bernard University of Lyon,
Laboratoire de Chimie et Procédés de Polymérisation
(CNRS - CPE Lyon) / MICHELIN / Directeur : Roger
SPITZ
- 1995-1999** French “Ingénieur” Diploma in Chemistry and Chemical
Engineering - ESCPE Lyon
- 1993-1995** “Classes Préparatoires aux Grandes Ecoles” - Grenoble –
France
- Juin 1993** “Baccalauréat” Série C – Mention Bien.

WORK EXPERIENCE

from Oct. 2005 **CNRS position** (CR1 since 2010)
Laboratoire de Chimie, Catalyse, Polymères et Procédés (C2P2)
Team Polymerization Chemistry and Processes
UMR 5265 (CNRS-CPE Lyon-UCBL)
directed by Bernadette CHARLEUX

Development of polymerization catalysts (organometallic chemistry)

Conventional Ziegler-Natta polymerization of olefins
Catalytic homo- and copolymerizations of olefins

Synthesis of new polymers (functional polyolefins)
Innovative polymerization chemistries

Catalysis for polycondensations (silicones)

Teaching experience :

- master M2 Catalysis and Science Surface "Catalysis for polymerization" University Lyon (since 2006)
- master M2 Innovative Materials "Polyolefins Materials" University Lyon (since 2009)
- IFP School (Processes and Polymer Programm) "Chemistries of Polymerization" (since 2006)
- ENSC Montpellier "Catalysis for polymerization" (since 2009)
- ENSC ClermontFerrand "Chemistries of Polymerization" (since 2009)
- ESCPE Lyon "Polyolefins Materials" (since 2009)

2003- 2005 Postdoc position (industrial sponsor : BASF AG)

Universität Freiburg - Institut für Makromolekulare Chemie
then **Universität Konstanz** - Lehrstuhl für Chemische
Materialwissenschaft - Laboratory Prof. Dr. Stefan MECKING

Catalytic polymerization of olefins in water

Development of catalysts (late transition metals) for the polymerization of olefins or diolefins in aqueous emulsion
Synthesis of polyolefins or polydienes latices by different methods (**emulsion, mini-emulsion, micro-emulsion**).
Silica/PE Nanocomposite synthesis.

Teaching experience : practice course accompanying the lecture on “Polymer synthesis and material properties” (including radical, ionic and catalytic polymerizations) – University Konstanz

1999 - 2002

Ph.D. (industrial sponsor : Michelin)

Laboratory for the Chemistry and Processes of Polymerization : L.C.P.P. (Laboratoire de Chimie et Procédés de Polymérisation) – CNRS/CPE Lyon – Villeurbanne – France.
Laboratory Dr. R. SPITZ.

Synthesis of olefins-butadiene copolymers with rare earth catalysts.

Synthesis and characterization (EA, NMR) of lanthanocene based catalysts. ***Olefins-Butadiene Copolymerization.*** Analysis (NMR, SEC, DSC) of copolymers with elastomeric properties.

1998 - 1999

Internship of D.E.A. (MRes)

Laboratory of Surface Organometallic Chemistry : L.C.O.M.S. (Laboratoire de Chimie Organométallique de Surface) – CNRS/CPE Lyon – Villeurbanne – France.

Synthesis and reactivity of new heterogeneous tantalum- or niobium based catalysts for the asymmetric epoxidation of allylic alcohols and sulfides.

1997- 1998

12 months

“Engineer” Internship

BASF AG in Ludwigshafen (Germany)

Synthesis of palladium based catalysts for the carbonylation of olefins and dienes

PUBLICATIONS

20) "Aqueous Dispersions of Non Spherical Polyethylene Nanoparticles from Free Radical Polymerization under Mild Conditions"

Grau, E.; Dugas, P.-Y.; Broyer, J.-P.; Boisson, C.; Spitz, R.; Monteil, V.* *Angew. Chem. Int. Ed.* **2010**, *49*, 6810-6812.

19) "Supercritical Behavior in Free Radical Polymerization of Ethylene in the Medium Pressure Range" E. Grau; J.P. Broyer; C. Boisson ; R. Spitz ; V. Monteil* *Phys. Chem. Chem. Phys.* **2010**, *12*, 11665 - 11669.

18) "Characterization of ethylene-methyl methacrylate and ethylene-butylacrylate copolymers with interactive liquid chromatography"

Chitta, R.; Brüll, R.*; Monteil, V.; Boisson, C.; Grau, E.; Leblanc, A.; Macko, T. *Macromol. Symp.* **2010**, in press.

17) "Thiol end functionalized polyethylenes"

J. Mazzolini, I. Mokthari, R. Briquel, O. Boyron, F. Delolme, V. Monteil, D. Gigmes, D. Bertin, F. D'Agosto*, C. Boisson* *Macromolecules*, **2010**, *43*, 7495–7503.

16) "Modifications of the active sites distribution in the Ziegler-Natta polymerization of propylene using Lewis acids" D. Ribour, R. Spitz, V. Monteil* *J Polym Sci Part A: Polym Chem* **2010**, *48*, 2631-2635.

15) "Free radical ethylene polymerization under mild conditions: the impact of the solvent"

E. Grau; J.P. Broyer; C. Boisson ; R. Spitz ; V. Monteil* *Macromolecules* **2009**, *42*, 7279.

14) "Strong activation of MgCl₂-supported Ziegler-Natta catalysts by treatments with BCl₃: evidence and application of the "cluster" model of active sites"

D. Ribour, V. Monteil*, R. Spitz* *J Polym Sci Part A: Polym Chem* **2009**, *47*, 5784.

13) "Detitanation of MgCl₂-supported Ziegler-Natta catalysts for the study of active sites organization"

D. Ribour, V. Monteil*, R. Spitz* *J Polym Sci Part A: Polym Chem* **2008**, *46*, 5461.

12) "Exploring Pathways to Reduce the Distribution of Active Sites in the Ziegler-Natta Polymerization of Propylene"

D. Ribour, V. Monteil*, V. Bollack-Benoit, R. Spitz* *J Polym Sci Part A: Polym Chem* **2007**, *45*, 3941.

11) "Silica/Polyethylene Nanocomposite Particles from Catalytic Emulsion Polymerization"

V. Monteil, J. Stumbaum, R. Thomann; S. Mecking* *Macromolecules* **2006**, *39*, 2056.

10) "A General Route to Very Small Polymer Particles with Controlled Microstructures"

V. Monteil; P. Wehrmann; S. Mecking* *J. Am. Chem. Soc.* **2005**, *127*, 14568.

9) "1,2-Polybutadiene Latices by Catalytic Polymerization in Aqueous Emulsion"

V. Monteil, A. Bastero, S. Mecking* *Macromolecules* **2005**, *38*, 5393.

8) "Alternating copolymerization of ethylene with butadiene using a Neodymium Metallocene catalyst"

J. Thuillez, V. Monteil, R. Spitz, C. Boisson* *Angew. Chem. Int. Ed.* **2005**, *44*, 2593.

- 7) "Aqueous Dispersions of Extraordinarily Small Polyethylene Nanoparticles"
L. Kolb, V. Monteil, R. Thomann; S. Mecking *Angew. Chem. Int. Ed.* **2005**, *44*, 429.
- 6) "Polymerization of butadiene and copolymerization of butadiene and styrene using neodymium amide catalysts"
V. Monteil, R. Spitz, C. Boisson* *Polym. Int.* **2004**, *53*, 576.
- 5) "Evidence of intramolecular cyclization in copolymerization of ethylene with 1,3-butadiene: thermal properties of the resulting copolymers"
V. Monteil, R. Spitz, F. Barbotin, C. Boisson* *Macromol. Chem. Phys.* **2004**, *205*, 737.
(Page de couverture du journal)
- 4) "Catalytic ethylene polymerization in aqueous emulsion: catalyst tailoring and synthesis of very small latex particles"
A. Bastero, L. Kolb, P. Wehrmann, F. M. Bauers, I. Göttker gen. Schnetmann, V. Monteil, R. Thomann, M. M. Chowdhry, S. Mecking* *Polym. Mat. Sci. Eng.* **2004**, *90*, 740.
- 3) "Lanthanidocene catalysts for the homo- and copolymerization of ethylene with butadiene"
C. Boisson*, V. Monteil, D. Ribour, R. Spitz, F. Barbotin *Macromol. Chem. Phys.* **2003**, *204*, 1747.
- 2) "Investigation of Ethylene/Butadiene Copolymers Microstructure by ¹H and ¹³C NMR"
M. F. Llauro*, C. Monnet, F. Barbotin, V. Monteil, R. Spitz, C. Boisson* *Macromolecules* **2001**, *34*, 6304.
- 1) "First Synthesis of Poly(ethylene-co-1,3-butadiene) with Neodymocene Catalysts"
F. Barbotin, V. Monteil, M. F. Llauro, C. Boisson*, R. Spitz *Macromolecules* **2000**, *33*, 8521.

CONFERENCES INVITEES DANS DES CONGRES

- 1) "Homo- and co-polymerization of (meth)acrylates with olefins from neutral nickel compounds by a new hybrid mechanism"
A. Leblanc, E. Grau, V. Monteil

Conférence invitée (« Rising Stars ») - International Symposium On Ionic Polymerization - IP'11 - IUPAC 2011 - 10-15 Juin 2011 (Akron, USA)

- 2) "Modifications of Ziegler-Natta catalysts for the polymerization of propylene"
D. Ribour, R. Spitz, V. Monteil

Conférence invitée – International Conference on the Reaction Engineering of Polyolefins – 22-27 Juin 2008 (Montréal, Canada)

PATENTS

- 3) "Nouveaux copolymères à bloc d'oléfines polaires et apolaires"
FR 0857293 (2008), ARKEMA / CNRS / ESCPE Lyon : Leblanc, A. ; Monteil.V. ; Broyer, J.-P. ; Boisson, C. ; Spitz R.
WO 200952058 (2009), ARKEMA / CNRS / ESCPE Lyon : Leblanc, A. ; Monteil.V. ; Broyer, J.-P. ; Boisson, C. ; Spitz R.

2) "Système catalytique pour l'obtention de copolymères pour l'obtention de copolymères diène(s) conjugué(s) / mono-oléfine(s) et ces copolymères"

FR 0309930 (2003), Société de Technologie Michelin / Michelin Recherche et Technique S.A. / ATOFINA Research : Monteil, V.; Spitz, R.; Boisson, C. Chem. Abstr. 2003, 142:219710.

WO 2005028526 (2005), Société de Technologie Michelin / Michelin Recherche et Technique S.A. / ATOFINA Research : Monteil, V.; Spitz, R.; Boisson, C.

1) "Copolymères éthylène-butadiène, système catalytique pour les produire et production desdits polymères"

FR 0212893 (2002), Société de Technologie Michelin / Michelin Recherche et Technique S.A. / ATOFINA Research : Monteil, V.; Spitz, R.; Boisson, C.

WO 2004035639 (2004), Société de Technologie Michelin / Michelin Recherche et Technique S.A. / ATOFINA Research, Monteil, V.; Spitz, R.; Boisson, C., Chem. Abstr. 2004, 140:340585.

COMMUNICATIONS

2010

51) "Vers un meilleur contrôle de la polymérisation radicalaire de l'éthylène dans des conditions plus douces : du procédé suspension au procédé émulsion"

E. Grau, P.-Y. Dugas, J.-P. Broyer, C. Boisson, R. Spitz, **V. Monteil**

Communication orale - Matériaux 2010 – 18-22 Octobre 2010, Nantes, France.

50) "Packed bed minireactor for pulsed gas phase catalytic polymerization: complex interactions between heat transfer and activity in stopped flow ethylene polymerization"

E. Tioni, V. Monteil, T. McKenna, R. Spitz, J.P. Broyer

Communication orale - DECHEMA PRE 2010 , 10-13 October 2010, Hamburg, Germany.

49) "Activation of homo- and copolymerizations of (meth)acrylates and styrene using neutral nickel complexes: the radical pathway"

V. Monteil ; A. Leblanc, C. Boisson, R. Spitz

Communication orale - MACRO 2010 - 43rd IUPAC World Polymer Congress, 11-16 July 2010 - Glasgow - UK.

48) "Modifications of Ziegler-Natta catalysts by Lewis acids"

V. Monteil; D. Ribour; R. Spitz

Poster - MACRO 2010 - 43rd IUPAC World Polymer Congress, 11-16 July 2010 - Glasgow - UK.

47) "New Insights in Free Radical Polymerization of Ethylene in the medium pressure range: From Solution process to Emulsion"

E. Grau, P.-Y. Dugas, J.-P. Broyer, C. Boisson, R. Spitz, V. Monteil

Communication orale - MACRO 2010 - 43rd IUPAC World Polymer Congress, 11-16 July 2010 - Glasgow - UK.

46) "Rationalization of the Solvent Effect in Free Radical Polymerization of Ethylene in the medium pressure range (up to 250 bar)"

E. Grau, J.-P. Broyer, C. Boisson, R. Spitz, V. Monteil

Poster - MACRO 2010 - 43rd IUPAC World Polymer Congress, 11-16 July 2010 - Glasgow - UK.

45) "Gas phase stopped flow polymerization of ethylene on packed bed: start up kinetics of supported metallocene catalysts and characterization of nascent polymers under realistic and controlled conditions"

E. Tioni, V. Monteil, T. McKenna, R. Spitz, J.P. Broyer

Poster - Summerschool: Catalytic Reaction Engineering and Process Intensification, 11-18 July 2010, EPFL, Lausanne, Switzerland.

44) "Gas phase stopped flow polymerization of ethylene on packed bed: start up kinetics of supported metallocene catalysts and characterization of nascent polymers under realistic and controlled conditions",

E. Tioni, **V. Monteil**, T. McKenna, R. Spitz, J.P. Broyer

Poster - 3rd Blue Sky Conference on Olefin Polymerization, 20-23 June 2010, Sorrento, Italy.

43) "Gas phase stopped flow polymerization of ethylene on packed bed: influence of reaction conditions and heat transfer on short time (< 15s) kinetics and nascent polymer properties"

E. Tioni, V. Monteil, T. McKenna, R. Spitz, J.P. Broyer

Communication orale - 7th LSP/JAIST International Colloquium on Heterogeneous Ziegler-Natta Catalysts, 24-25 June 2010, Sorrento, Italy.

42) "New insights from the "cluster" model of active sites in the Ziegler-Natta polymerization of olefins"

V. Monteil, D. Ribour; R. Spitz

Communication orale - 3rd Blue Sky Conferences on Catalytic Olefins Polymerization / 7th International Colloquium on Heterogeneous Ziegler-Natta Catalysts - 24-25 June 2010, Sorrento, Italy.

2009

41) "Interactions between Catalytic and Radical Polymerization Systems"

E. Grau, J.-P. Broyer, C. Boisson, R. Spitz, V. Monteil,

Poster - Journée de l'ICL (Institut de Chimie de Lyon), Lyon (France), 7 December 2009.

40) "Unexpected solvent effect in free radical polymerization of ethylene in the medium pressure range: up to 250 bar"

E. Grau, C. Boisson, R. Spitz, V. Monteil

Communication orale - Journée de l'ICL (Institut de Chimie de Lyon), Lyon (France), 7 December 2009.

39) "Mechanisms Investigations at the frontier between catalytic and radical polymerization"

E. Grau, C. Boisson, R. Spitz, V. Monteil

Communication orale - Journée du département catalyse et environnement de l'ICL (Institut de Chimie de Lyon), Lyon (France), 19 November 2009

38) "New Insight in free radical polymerization of ethylene in the medium pressure range: up to 250 bar"

E. Grau, C. Boisson, R. Spitz, V. Monteil

Communication orale - JEPO 37 (Journées d'Etude des Polymères), Monistrol-sur-Loire (France), 25-30 October 2009.

37) "Polymérisation radicalaire de l'éthylène à moyenne pression : Influence de la pression d'éthylène et du solvant"

E. Grau, C. Boisson, R. Spitz, V. Monteil

Poster – Journée de la SFC Section Rhône-Alpes – 11 Juin 2009 (Villeurbanne, France)

36) "Exemples d'interactions entre des systèmes de polymérisation radicalaire et catalytique"

E. Grau, J.-P. Broyer, C. Boisson, R. Spitz, V. Monteil

Poster – Journée de la SFC Section Rhône-Alpes – 11 Juin 2009 (Villeurbanne, France)

35) "Ziegler-Natta polymerization of olefins: new insights from the "cluster" model of active sites"

V. Monteil; D. Ribour; R. Spitz

Communication orale - Advanced in Polymer Science & Technology (APST 1) - 07-10 Juillet 2009 (Linz, Autriche)

34) "Radical copolymerization of ethylene with polar monomers: new insights in the medium pressure range – up to 250 bar"

E. Grau, C. Boisson, R. Spitz, V. Monteil

Poster - European Polymer Congress (EPF 2009) - 12-17 Juillet 2009 (Graz, Autriche)

33) "Toward controlled radical polymerisation of ethylene in the medium pressure range: up to 250 bar"

E. Grau, C. Boisson, R. Spitz, V. Monteil

Communication orale - European Polymer Congress (EPF 2009) - 12-17 Juillet 2009 (Graz, Autriche)

32) "Homo- and copolymerizations of (meth)acrylates and styrene using neutral nickel compounds: the radical pathway"

V. Monteil ; A. Leblanc, C. Boisson, R. Spitz

Poster - European Polymer Congress (EPF 2009) - 12-17 Juillet 2009 (Graz, Autriche)

31) "Ziegler-Natta polymerization of olefins: new insights from the "cluster" model of active sites"

V. Monteil; D. Ribour; R. Spitz

Communication orale - European Polymer Congress (EPF 2009) - 12-17 Juillet 2009 (Graz, Autriche)

2008

30) "Exploring pathways to modify the distribution of Active Sites in the Ziegler-Natta Polymerization of Propylene"

D. Ribour, E. Martigny, R. Spitz, V. Monteil

Poster – Journée des Polyméristes Lyonnais 2008 – 01 Février 2008 (Villeurbanne, France)

29) "Heat transfer and nascent polymerisation of olefins on supported catalysts"

E. Tioni, V. Monteil, R. Spitz, B. Olalla, J.P. Broyer, T.F.L. McKenna

Poster – International Conference on the Reaction Engineering of Polyolefins – 22-27 Juin 2008 (Montréal, Canada)

28) "Neodymium metallocenes for olefin/butadiene polymerization"

C. Boisson, F. Barbotin, V. Monteil, J. Thuillez, M. Bousquié, R. Spitz

Communication orale – International Conference on Organometallic Chemistry ICOMC 2008 – 13-18 Juillet 2008 (Rennes, France)

27) "Exemples d'interactions entre des systèmes de polymérisation radicalaire et catalytique"

E. Grau, J.-P. Broyer, C. Boisson, R. Spitz, V. Monteil

Poster – Colloque National du GFP 2008 – 25-27 Novembre 2008 (Lyon – France)

26) "Polymérisation radicalaire de l'éthylène à moyenne pression : exemples d'interactions avec des acides de Lewis"

E. Grau, C. Boisson, R. Spitz, V. Monteil

Poster – Colloque National du GFP 2008 – 25-27 Novembre 2008 (Lyon – France)

25) "Etude des phénomènes de transfert de chaleur en polymérisation Ziegler-Natta des oléfines à l'aide d'un réacteur « stopped flow » à lit fixe"

E. Tioni, B. Olalla, J.-P. Broyer, R. Spitz, V. Monteil, T. McKenna

Poster – Colloque National du GFP 2008 – 25-27 Novembre 2008 (Lyon – France)

24) "Caractérisation de copolymères éthylène/MMA par chromatographie d'exclusion stérique multi-détection"

E. Grau, A. Silva, O. Boyron, R. Spitz, V. Monteil

Poster – Colloque National du GFP 2008 – 25-27 Novembre 2008 (Lyon – France)

23) "Activation des catalyseurs Ziegler-Natta de polymérisation du propylène par BCl_3 : confirmation du modèle de sites actifs en cluster de titane"

D. Ribour, E. Martigny, R. Spitz, V. Monteil

Poster – Colloque National du GFP 2008 – 25-27 Novembre 2008 (Lyon – France)

22) "Polymérisation radicalaire de l'éthylène à moyenne pression : exemples d'interactions avec des acides de Lewis"

E. Grau, C. Boisson, R. Spitz, V. Monteil

Poster – Journée des Polyméristes Lyonnais 2009 – 09 Juin 2008 (Villeurbanne, France)

21) "Exemples d'interactions entre des systèmes de polymérisation radicalaire et catalytique"
E. Grau, J.-P. Broyer, C. Boisson, R. Spitz, V. Monteil

Poster – Journée des Polyméristes Lyonnais 2009 – 09 Juin 2008 (Villeurbanne, France)

2007

20) "Neodymocene Complexes with Tailored Ligands for the Copolymerisation of Ethylene with Butadiene"

A. Leblanc, F. Barbotin, J. Thuillez, V. Monteil, R. Spitz, C. Boisson

Poster – International Symposium on Fundamental and Applied Polymer Science : Toward Next Generation Materials – 29-31 Janvier 2007 (Strasbourg – France)

19) "Silica/Polyethylene Nanocomposite Particles from Catalytic Emulsion Polymerization"

V. Monteil, J. Stumbaum, R. Thomann, S. Mecking

Communication orale – International Symposium on Fundamental and Applied Polymer Science : Toward Next Generation Materials – 29-31 Janvier 2007 (Strasbourg – France)

18) "Neodymium metallocene catalysts for the synthesis of new polyolefin materials"

C. Boisson, F. Barbotin, V. Monteil, J. Thuillez, R. Spitz

Communication orale - 3rd Young European Scientists Workshop - Juillet 2007 (Cracovie – Pologne)

17) "Exploring Pathways to Modify the Distribution of Active Sites in the Ziegler-Natta Polymerization of Propylene"

D. Ribour, V. Monteil, R. Spitz

Poster – 1st Aquitaine Conference on Polymers – 16-19 Octobre 2007 (Arcachon – France)

16) "Neodymium metallocene catalysts for the copolymerization of olefins with butadiene"

C. Boisson, F. Barbotin, V. Monteil, J. Thuillez, R. Spitz

Poster - 1st Aquitaine Conference on Polymers – 16-19 Octobre 2007 (Arcachon – France)

15) "Etudes autour du contrôle des populations de sites actifs en catalyse de polymérisation Ziegler-Natta des oléfines"

D. Ribour, R. Spitz, V. Monteil

Communication orale – Colloque National du GFP 2007 – 27-29 Novembre 2007 (Strasbourg – France)

2006

14) "Synthèse de Latex de 1,2-Polybutadiène par Polymérisation Catalytique en Emulsion"

V. Monteil, S. Mecking

Poster – Journée 2006 de la Fédération des Polyméristes Lyonnais – 13 Avril 2006 (Villeurbanne, France)

13) "Synthèse de Latex de 1,2-Polybutadiène par Polymérisation Catalytique en Emulsion"

V. Monteil, S. Mecking

Poster – Journée de Printemps de la SFC Section Rhône-Alpes – 22 Juin 2006 (Villeurbanne, France)

12) “Catalytic Polymerization in Microemulsions : A General Route to Very Small Polymer Particles with Controlled Microstructures”

V. Monteil; P. Wehrmann; S. Mecking

Communication orale – 41st IUPAC International Symposium on Macromolecules – 16-21 Juillet 2006 (Rio de Janeiro - Brésil)

11) “New Trends in Copolymerization of Olefins with Conjugated Dienes”

C. Boisson, F. Barbotin, V. Monteil, J. Thuilliez, R. Spitz

Communication orale - Macro Group UK International Conference on Polymer Synthesis - Août 2006 (Warwick, Angleterre)

2005

10) “Unique behavior in copolymerization of olefins and conjugated dienes”

C. Boisson, F. Barbotin, V. Monteil, J. Thuilliez, R. Spitz

Poster – 2ND Blue Sky Conference on Catalytic Olefin Polymerization – 26-29 Juin 2005 (Sorrente- Italie)

9) “Lanthanide for Copolymerization of Ethylene and Butadiene”

C. Boisson, V. Monteil, J. Thuilliez, R. Spitz, C. Monnet, M.-F. Llauro, F. Barbotin, P. Robert

Conférence invitée - 3rd European Conference on the Reaction and Engineering of Polyolefins – 20-24 Juin 2005 (Lyon-France)

8) “1,2-Polybutadiene Latices by Catalytic Polymerization in Aqueous Emulsion”

V. Monteil, A. Bastero, S. Mecking

Poster – Heildeberg Forum of Molecular Catalysis – 8 Juillet 2005

7) “Synthesis of Submicrometer Particles of a Stereoregular Polyolefin by Catalysis in Aqueous Dispersion”

A. Bastero, **V. Monteil**, S. Mecking

Poster – Heildeberg Forum of Molecular Catalysis – 8 Juillet 2005

2004

6) “Aqueous Dispersions of Extraordinarily Small Polyethylene Nanoparticles”

V. Monteil; L. Kolb ; R. Thomann ; S. Mecking

Poster - 14th International Symposium on Homogeneous Catalysis – 04-09 Juillet 2004 (Munich- Allemagne)

5) “Alternating copolymerization of ethylene with butadiene using rare-earth-based catalyst”

J. Thuilliez, V. Monteil, F. Barbotin, C. Boisson, R. Spitz.

Poster - 40th IUPAC International Symposium on Macromolecules – 04-09 Juillet 2004 (Paris-France)

4) “Advances and limits in copolymerization of olefins with conjugated dienes”
C. Boisson, V. Monteil, J. Thuillez, R. Spitz, C. Monnet, M.F. Llauro, F. Barbotin, P. Robert

Conférence invitée - 40th IUPAC International Symposium on Macromolecules – 04-09 Juillet 2004 (Paris-France)

2003

3) “Lanthanidocene catalysts for copolymerization of ethylene with butadiene »
C. Boisson, F. Barbotin, V. Monteil, R. Spitz, M.F. Llauro

Poster - European Polymer Conference on Stereospecific Polymerization and Stereoregular Polymers - Juin 2003 (Milan - Italie)

2002

2) “Copolymerization of ethylene and butadiene with lanthanocene catalysts” C. Boisson, F. Barbotin, V. Monteil, M.-F. Llauro, R. Spitz

Poster - 1ST Blue Sky Conference on Catalytic Olefin Polymerization - Juin 2002 (Sorrente-Italie)

2001

1) “New catalytic ethylene polymerization system based on lanthanocene complexes. Unique synthesis of an ethylene/butadiene copolymer by a lanthanide catalyst”
V. Monteil ; F. Barbotin ; Roger Spitz ; C. Boisson.

Poster - Leuven Summer School on Catalysis – 11-14 Novembre 2001 (Ostend – Belgique)