



Coordination Chemistry Inspires Molecular Catalysis

15 PHD SCHOLARSHIPS AVAILABLE

- ✓ Diploma from two Universities
- ✓ Secondment with an Industrial Partner
- ✓ Dynamic programme of collaborative research, theoretical training, scientific events, communication and outreach

17 RESEARCH GROUPS

9 ACADEMIC INSTITUTIONS

7 EUROPEAN COUNTRIES

8 INDUSTRIAL PARTNERS

Academic institutions



Industrial partners



Johnson Matthey



PHD PROJECTS/ACADEMIC MENTORS/SECONDMENT HOSTS

- Olefin metathesis catalysts with high Z-selectivity/V. César (LCC); K. Grela (UW)/Tecnalia
- Design of efficient catalytic tools for a direct access to chiral amines/C. Godard (URV); M. Urrutigoity (LCC)/Italmatch
- s-Block Metal-Mediated Hydroelementation/A. Lledós (UAB); M. Westerhausen (FSU)/Italmatch
- Development of supported catalysts for continuous flow asymmetric hydrogenation/V. Pârvulescu (UoB); J. Durand, K Philippot (LCC)/ Tecnalia
- Metal-mediated C-F bond activation and C-F bond formation/A. Simonneau (LCC); J. Lynam, J. Slattery (UoY)/Italmatch
- Activation of carbon dioxide with highly Lewis acidic compounds/M. Westerhausen (FSU); S. Bontemps (LCC)/IFPEN
- Photo-switchable phosphines for in situ modification of catalysts/E. Hey-Hawkins (ULEI); R.M. Sebastián (UAB)/Elkem
- Polar substrates asymmetric hydrogenation and associated processes: role of the base/S. Duckett, J. Lynam, J. Slattery (UoY); R. Poli (LCC)/Tecnalia
- Biphasic catalysis with metal nanoparticles inside polymeric nanoreactors/A. Riisager (DTU); E. Manoury, K. Philippot (LCC)/IFPEN
- Immobilization of NHC's Ligands in Janus Dendrimers. Catalysis in green solvents/K. Grela (UW), R.M. Sebastián (UAB)/Henkel
- Selective hydrogenation of amides with supported transition metal nanoparticles/A. Riisager (DTU); K. Philippot (LCC)/IFPEN
- Carboranylphosphines meet dendrimers: Electron-deficient scaffolds for ligand design and applications in catalysis/A.M. Caminade (LCC); E. Hey-Hawkins (ULEI)/BASF
- Specifically functionalized dendrimers for catalysis in special media/R.M. Sebastián (UAB); A.M. Caminade (LCC)/Henkel
- Reactivity and catalytic chemistry of Ge/Si-H bonds at metal centres/M. Grellier (LCC); J. Lynam (UoY)/Johnson Matthey
- CO₂ Transformations catalysed by N-Heterocyclic Carbene (NHC) systems/O. Baslé, S. Bontemps (LCC); A. Lledós (UAB)/Solvay

FOR MORE INFORMATION AND APPLICATION PROCEDURES: www.ccimc.eu

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