Fullerene Advanced Materials for Optoelectronic UtilizationS (FAMOUS)

Jean-François NIERENGARTEN, Daniel GUILLON
Institut de Physique et Chimie des Matériaux de
Strasbourg, Groupe des Matériaux Organiques
23 rue du Loess, 67037 Strasbourg (France)

Robert DESCHENAUX
Institut de Chimie, 51 Avenue de Bellevaux, 2007
Neuchâtel (Swiss)

Fernando LANGA
Facultad de Ciencias del Medio Ambiente, Campus de la
Fábrica de Armas, 45071 Toledo (Spain)

Georges HADZIIOANNOU
Ecole Européenne Chimie Polymères Matériaux (ECPM),
Université Louis Pasteur de Strasbourg,
25, rue Becquerel, 67087 Strasbourg (France)

Andreas HIRSCH
Institut für Organische Chemie, 42 Henkestr., 91054
Erlangen (Germany)

Ewa GORECKA
Department of Chemistry, Laboratory Of Dielectrics And
Magnetics, Pasteura 1, 02-093 Warsaw (Poland)

Nicola ARMAROLI
Istituto di Fotochimica e Radiazioni d'Alta Energia, CNR,
101 Via Piero Gobetti, 40129 Bologna (Italy)

Patrick FOWLER
School of Chemistry, University of Exeter, Stocker Road,
EX4 4QD Exeter (UK)

The research program of this European research training Network is concerned with the establishment of rational molecular design principles for functional fullerene derivatives exhibiting new properties that can be exploited for practical applications. The development of methodologies to produce new fullerene derivatives and the understanding of the structure-property relationships in these new materials are at the center of this research, as compounds have first to be made and studied, and then modified to control their properties towards the applications. One other important aspect relies on the organisational control from the molecular to the macroscopic level. Systematic studies on the influence of the molecular structure on the nanoscopic organisation of the fullerene derivatives will have a major impact for their incorporation into devices for practical applications or for testing their potential as new electronic components.
For additional information, see:
    http://www-ipcms.u-strasbg.fr/RTNfamous/