

Patrick NAVARD

Born : 28 March 1953

Business address

CEMEF : Centre de Mise en Forme des Matériaux / Center for Materials Forming
MINES ParisTech - CNRS UMR 7635
Rue Claude Daunesse – CS 10207
06904 Sophia Antipolis cedex - France
tel: 33-(0)6 33 77 39 27
e-mail: patrick.navard@mines-paristech.fr
www.cemef.mines-paristech.fr

PROFESSIONAL EXPERIENCE

- **Series Editor.** Springer “Biobased Polymers”. 2016-2021, 17 books published.
<https://www.springer.com/series/15056>
- **Coordinator** of the European Polysaccharide Network of Excellence 2004-2019
www.epnoe.eu
- **Deputy-director** of the CNRS / Ecole des Mines CEMEF joint research center 2004-2011
- **Director** of the CNRS / Ecole des Mines CEMEF joint research center 2001-2004

June 2019 to present: **Directeur de Recherche émérite au CNRS**

1989 to May 2019 : **Directeur de Recherche au CNRS**

1984 to 1989 : **Chargé de Recherche au CNRS**

Research areas: polysaccharides, biobased composites (polymers and concrete), polymer rheology, polymer processing, rheo-physics, polymer physics (blends, liquid crystals, solutions, suspensions, gels, light scattering).

1983-1984 **Post-doctoral Research Fellow.** IBM Research Center, San Jose, California

Research Supervisor : Prof. P.J. FLORY.

1980-1981 **Research Fellow.** Dept. of Physics. City of London Polytechnic. London

Research Supervisor : Dr. G.H. MEETEN

1981-1983 **Post-graduate Student.** Ecole des Mines de Paris, Sophia Antipolis

1978-1980 PhD Supervisor : Prof. J.M. HAUDIN

ACADEMIC BACKGROUND

1983 **Thèse** de Doctorat-ès-Sciences. (INSA) de Lyon et Université de Lyon I.
"Physical properties of cellulose and cellulose derivative mesophases"

1982 **Thèse** de Docteur-Ingénieur (equivalent to a PhD).
"Study of cellulose / *N*-methyl morpholine *N*-oxide solutions".

1979 **DEA** (postgraduate degree) with a specialization in Mechanical Properties of Materials. Ecole des Mines de Paris.

1978 **DEA** with a specialization in Biology. Université de Lyon

1978 **Diplôme d'Ingénieur** in Physics and Materials Science. INSA de Lyon.
Département de Génie Physique et Matériaux.

AWARDS

2019	Fellow of the <i>Cellulose and Renewable Materials</i> division of the American Chemical Society
2011	Prime d'Excellence Scientifique of CNRS
1995	Groupe Français de Rhéologie (GRF) National Award
1989	Groupe Français des Polymères (GFP) National Award

PROFESSIONAL SERVICES

Professional Journal Activities

Reviewer in more than 20 journals.

Member of the Editorial Committee of Cellulose Chemistry and Technology.

Member of the Editorial Committee of Carbohydrate Polymers.

Organization of Conferences

Organization, co-organizer of 16 national and international conferences

Member of scientific/organization boards, chairman of part of program, etc.. in 33 conferences

Committee Work

Member of the CELL program advisory of American Chemical Society.

Member of the scientific committee of BIA unit, INRA (Nantes)

Member of the Executive Committee of the Virtual Institute for Bamboo fibre Expertise and Research (VIBER).

French representative in COST 1205 « Innovative applications of regenerated wood cellulose fibres »

Member of the European scientific committee of the Forest-Based Sector European Technology Platform (up to 2009).

Member of the scientific committee of European Renewable Resource Material Association (up to 2010).

Member of the scientific committee of pôle de compétitivité « Céréales Vallée » up to 2014.

Member of the Editorial Board of "Les Presses de l'Ecole des Mines" (1997-2000)

Member of the Editorial Committee of Cellulose Chemistry and Technology.

Member of the Editorial Committee of Carbohydrate Polymers.

Other activities

Reviewer and panel member for Ademe, ANR and various foreign organizations (Italy, Austria, Finland, ...).

ACADEMIC SUPERVISING

Supervisor or co-supervisor of 30 PhD dissertations

Supervising of more than 26 post-doctoral scientists and 78 undergraduates.

SCIENTIFIC MANAGEMENT

Scientific management of research contracts

- Direct scientific responsibility of more than 45 research contracts with industry and EC or governmental agencies since 1984.

Co-ordination of collaborative research contracts

Academic research programs

ANR NIAS (2021-2025) Coordinator: Understanding and preventing toxic Non-Intentionally Added Substances (NIAS).

French-UK (1987-1988) with City of London Polytechnic, *French-UK Alliance programme* (1992-1994) with University of Reading, CNRS-NSF (1993-1995) with Stanford University, *CNRS-Romanian Academy of Sciences* (1993-1996) with University of Iasi, *CNRS-Russian Academy of Sciences* (1998-2003; 2008-2012) with Institute of Macromolecular Compounds, St Petersburg.

European research programs

Coordinator of the *BRITE-EURAM Project* (1993-1996) on polymer blends, three partners and ten industrial sponsors.

Coordinator of the *Human Capital and Mobility and PECO networks* (1995-1997) on polymer solution rheology, seven partners.

Coordinator of Polysaccharides (*Network of Excellence*) 2005-2009 (16 partners).

Coordinator of EPNOE CSA, 2012-2015 (16 partners).

Large research programs

Co-coordinator of the large (30M€) French project “Biomass for the Future”. Responsible for the application program (2013-2020).

BRINGING SCIENCE TO THE GENERAL PUBLIC

Establishment in 2018 and Presidency of “Science pour Tous 06” association (www.sciencepourtous-06.fr), with more than 80 scientists. Organization of conferences for the general public in more than 30 cities in the Alpes-Maritimes region (more than 180 conferences programmed in 2021, more than 200 planned in 2022).

PUBLICATIONS

Articles

International Refereed Journals : 177

Other Journals : 17

Books : 3

Patent : 1

Conferences

Invited Conferences : 82

Communications in Conferences : 288