



学术报告



State Key Laboratory
of Chemical Resource Engineering

报告名称: Designing Model Polymers to Help Polymer Science and Industry

报告人: Prof. Nikos Hadjichristidis

King Abdullah University of Science and Technology

2019年9月6日 上午9:00-11:00, 无机楼107会议室



报告人简介

Education

Postdoctoral Fellow, National Research Council of Canada, Canada, 1972-1973

Postdoctoral Fellow, University of Liège, Belgium, 1971-1972

D.Sc., University of Athens, Greece, 1979

Ph.D., University of Liège, Belgium, 1971

B.Sc.- Chem., University of Athens, Greece, 1966

Professional Profile

Since 2011: Professor of Chemical Sciences, King Abdullah University of Science and Technology (since 2016, Distinguished Professor)

Since 2016: Chairman of the national (Greek) Council for Research and Innovation

2011: Professor Emeritus, Department of Chemistry, University of Athens, Greece

1988-2010: Professor, Department of Chemistry, University of Athens, Greece

Editorial Positions

Member of the Editorial Board of “Polymer Chemistry, RCS” (since 2013)

Associate Editor (2002-2012) and Member of the Editorial Board (since 2012) of “European Polymer Journal”

Member of the Editorial Board of “Progress in Polymer Science” (since 2001)

Member of the Editorial Board of “Journal of Polymer Science, Chemistry” (since 2001)

Member of the Editorial Board of “Macromolecules” (1997-1999)

Research Interests

The research of Professor Hadjichristidis focuses mainly on the synthesis of novel model homopolymers, copolymers with well-defined complex macromolecular architectures (star, comb, cyclic, dendritic, etc) by using anionic polymerization (AP) high vacuum techniques, as well as combinations of AP with other living and controlled/living polymerization methodologies (polyhomologation, ATRP, RAFT, NMP, ROP, ROMP, catalytic, etc). These polymers are ideal models for checking the theory, understanding and improving the performance of industrial polymers (e.g. polyethylene, polystyrene based thermoplastic elastomers) and are potential candidates for high-tech applications (e.g. nanolithography, drug delivery, high-temperature membranes). Professor Hadjichristidis has published more than 500 scientific papers in refereed scientific journals (citations until August 23th, 2019: 21428, h-index: 70, Web of Science; 29428, 80, Google Scholar), 33 patents, is the editor of three books and author of one book on “Block Copolymers” (Wiley 2003)

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