

2005/01/31

高分子のNMR (Pacifichem 2005)シンポジウムの案内

東京農工大学 朝倉哲郎 (asakura@cc.tuat.ac.jp)

2005 環太平洋国際化学会議(Pacifichem 2005)において高分子のNMR に関するシンポジウム- NMR Spectroscopy of Polymers-10 (#173)を開催いたします。

43件の口頭発表(すべてInvited Speakerで、発表者と演題は最後に掲載)が予定されており、世界中の高分子のNMR研究者が集まって研究発表を行う国際シンポの一環として開催いたします。是非、ご参加ください。

尚、ポスターセッションを予定しており、現在、受付中です。是非、ご応募下さい。

日時 2005年12月15日(木) 20日(火)

場所 米国ハワイ州、ホノルル市

ポスター発表申込/アブストラクト提出 申込方法

下記ホームページから指示に従って入力しアブストラクトをご提出下さい。

要旨は2000文字(Letter)以内。シンポジウム番号は(#173)です。

<<http://www.pacifichem.org/>>

受付期間 2005年2月1日(火) 2005年4月8日(金) (厳守)

NMR Spectroscopy of Polymers-10

Pacifichem 2005

International Chemical Congress of Pacific Basin Societies December 15-20, 2005

Organizers: P. M. Macdonald, T. Asakura, H.N. Cheng, A. D. English, and

A. K. Whittaker

Solid State NMR: Structure

Dr. T. M. Alam (Sandia) "Relaxation Based NMR Imaging of Heterogeneous Aging in Polymers"
Prof. A. Asano (Nat. Def. Acad.) "Solid State ^{13}C NMR Study of Poly(vinyl isobutyl ether)/Poly(e-L-Lys)/Clay Nanocomposites"
Prof. M. P. Espe (U. of Akron) "Solid-state NMR Characterization of the Structure of Conducting Polymer Composites",
Prof. H. Kaji (Kyoto U and PRESTO, JST) "Solid-State NMR Investigations of Materials in Organic Light-Emitting Diodes"
Dr. V. M. Litvinov (DSM) "Nano-structures in Polymer Materials as Studied by Low-field NMR"
Dr. Peter A. Mirau (WPAFB) "Polymer Nanocomposites: NMR Structure and Dynamics of the Interface"
Prof. Linda G. Reven (Toronto) "Solid-State NMR Studies of Adsorbed Polymers"
Dr. K. Saito (Nippon Steel) "Structural Analysis of Inorganic Polymer (slag) Using High Field Solid State NMR"
Prof. K. Schmidt-Rohr (Iowa State) "Characterizing Nanocrystals in Bone and Biomimetic Organic-Inorganic Nanocomposites by Solid-State NMR"
Prof. H. W. Spiess (Max Planck Institute) "Structure of Functional Supramolecular Assemblies from Solid State NMR"
Dr. D. L. VanderHart (NIST) Prof. J. L. White (NCSU) "Polyolefin Miscibility: New Insights from an Experimental NMR Perspective"
Dr. A. K. Whittaker (U. of Queensland) "NMR Measurements of Chemical Exchange and Diffusion of Macromolecules Having High Complex Architecture"

Solid State NMR: Dynamics

Prof. I. Ando (TIT) “Soft Polymers with Channels with Micrometer of Diameters as Characterized by Field Gradient NMR” Prof. H. W. Beckham (Georgia Inst. of Tech.) “Diffusion-Ordered NMR of Rotaxated Polymers” Prof. F. D. Blum (U. of Missouri-Rolla) “NMR and MDSC of Adsorbed Polymers” Prof. P. T. Callaghan (Victoria U. of Wellington) “Deuterium NMR Spectroscopy and the Deformation of Polymers in Shear and Extensional Flow” Prof. J. P. Cohen-Addad (Grenoble) “Quantitative NMR Approach to Properties of Temporary or Permanent Polymeric Networks” Prof. F. Horii (Kyoto U.) “Super High Field Solid-State NMR Analysis of Local Structure and Dynamics of High-Performance Polymer Materials” Prof. R. Kimmich (U. of Ulm) “Polymer Chain Dynamics under Mesoscopic Confinements” Prof. F. Laupretre (CNRS) “Probing the Chain Dynamics and Interactions in Polymer Nanocomposites: an NMR Investigation” Dr. T. Miyoshi (Nat. Inst. for Adv. Ind. Sci. & Tech.) “Chain Dynamics of Crystalline Polymers with Side Chains Revealed by Solid-state MAS NMR” Prof. M. E. Ries (U. of Leeds) “NMR of Oriented Polymer Network Blends” Dr. K. Saalwaechter (U. Freiburg) “Chain Ordering, Slow Motions and Heterogeneities in Polymer Networks: New Insights by Low-field NMR” Prof. E. D. von Meerwall (Akron) “Study of Ultrasound Devulcanization of Industrial Elastomers: NMR Relaxation and Diffusion” Prof. J. X. X. Zhu (Montreal) “NMR Imaging in the Study of Diffusion in Compressed Polymeric Tablets”

Solution NMR

Prof. A. S. Brar (Indian Inst. of Tech-Delhi) “2D NMR Investigations of Acrylate Copolymers Prepared by ATRP Method” Dr. H. N. Cheng (Hercules) “Solution NMR of Polymers: New Models and Approaches” Dr. Claire B. Conboy (Dow) Prof. M. Forsyth (Monash U.) “Structure and Dynamics in Electrofunctional Polymers” Prof. T. Kitayama (Osaka U) or Prof. K. Ute (Osaka U) “Solution NMR Spectroscopy of Polymers: LC-hyphenated NMR or Diffusion NMR” Prof. P. M. Macdonald (U. of Toronto-Mississauga) “Hydrogel-Supported Membranes: A Supramolecular Assembly for Model Membrane Studies” Dr. Elizabeth F. McCord (DuPont) “Microstructure Analysis of Tubular vs. CSTR Polymers” Prof. P. L. Rinaldi (Akron) “3D NMR Without Isotopic Labeling” Prof. A. L. Segre (Inst. of Chem. Meth., CNR) “High Resolution NMR Spectroscopy of Olefin Homo- and Co-Polymers” Prof. A. E. Tonelli (NCSU) “NMR Studies of Intimately Mixed Polymer Blends” Dr. E. A. Williams (GE) “Characterization of Polycarbonate Chain Structure and End Groups by ^{13}C and Derivatization/ ^{31}P NMR Spectroscopy”

Biological NMR

Prof. T. Asakura (Tokyo Inst. of Agr. & Tech., JST) “Structure of Silk Fibroin Studied with Solid-State NMR” Prof. M. Hong (Iowa State) “Solid-state NMR Studies of Membrane Protein Folding and Structure” Prof. T. N. Huckerby (Lancaster U. Bailrigg) or Prof. B. Lauder “Age-Related Changes in Menisal Glycosaminoglycan Structure” Prof. A. P. M. Kentgens (Radboud U. Nijmegen) Prof. H. van Halbeek (Berkeley) “NMR Spectroscopy as a Tool to Assess the Propensity of Carbohydrates for Enzymatic Sulfation” Prof. J. F. G. Vliegthart (Utrecht U.) “Application of NMR to Carbohydrates”

Posters (Evening)

5 half-day oral session (3.5 hours) + 1 evening session (2 hours) + poster session