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IUPAC International Symposium on Polymers for Advanced Technologies

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IUPAC International Symposium on Polymers for Advanced Technologies

16–21 August, 1987, Jerusalem, Israel

A major international Symposium on polymers for advanced technologies will be held in August, 1987 in Jerusalem. This Symposium aims at bringing together academia and industry from around the world to focus on several new aspects of polymer research and development and its role and impact on the emerging science based technologies. New avenues of creative scientific endeavor to meet the challenges of the 21st century will be highlighted, reviewed and discussed.

The Symposium will be composed of plenary and sectional lectures to be presented by leading experts, contributed original papers, poster sessions and discussion panels. The main topics for review will be split into three sections as shown below:

SECTION A: POLYMERS FOR BIOSYSTEMS

- A1. Polymers as drug carriers.
- A2. Polymers for bioseparations.
- A3. Polymers for biosensors.
- A4. Biocompatible polymers in medical applications.
- A5. Polymers as matrices for biological synthesis.

SECTION B: POLYMERS IN RADIATION RELATED TECHNOLOGIES

- B1. Radiation resistant/sensitive polymers.
- B2. Radiation modified polymers.

- B3. Photoconductive polymers.
- B4. Radiation cured polymer systems.

SECTION C: POLYMERS FOR ADVANCED STRUCTURES

- C1. Polymers for high performance fibers and plastics. (LCP, rigid, semi-rigid and flexible polymers).
- C2. Thermoplastic elastomers in advanced rubber compositions.
- C3. Interpenetrating networks.
- C4. Engineering polymer blends.
- C5. Electro-conductive and piezo-electric polymers.

A partial list of invited speakers includes:

- S. L. Candau, University Louis Pasteur, France
- A. Chapiro, C.N.R.S., France
- N. B. Graham, University of Strathclyde, U.K.
- P. Hergenrother, NASA, Langley, AFB, U.S.A.
- S. P. Hersh, North Carolina State University, U.S.A.
- E. Katzir-Katschalski, Weizmann Institute of Science, Israel
- M. Jaffee, Celanese, U.S.A.
- J. Klein, Technical University, Braunschweig, F.R.G.
- S. Kwolek, DuPont, U.S.A.
- B. Landa, Indigo, Israel
- P. J. Lemstra, University of Eindhoven, Netherlands
- C. R. Lowe, University of Cambridge, U.K.
- R. Marchessault, Xerox Research Center, Canada
- H. F. Mark, Polytechnic University, N.Y. U.S.A.
- D. Prevorsek, Allied Corporation, U.S.A.
- H. Ringsdorf, University of Mainz, FRG
- D. Tanner, DuPont, U.S.A.
- E. Tsuchida, Waseda University, Japan
- I. M. Ward, Leeds University, U.K.
- G. Wegner, Max Planck Institute, F.R.G.
- M. Wilchek, Weizmann Institute of Science, Israel
- C. G. Wilson, I.B.M., U.S.A.
- F. H. Winslow, AT&T Bell Laboratories, U.S.A.

In addition, a special panel, composed of leading experts from several countries, will be organized to discuss the Strategy on

Advanced Polymers in the world for the approaching 21st century. This panel will include leading experts from many of the world's largest multinational companies.

The Symposium takes place in a country which is devoting a considerable part of its resources to scientific research and to the development of new science based industries. In conjunction with the Symposium, special arrangements can be made with the organizing committee to visit Israeli companies and R&D establishments dealing in advanced technologies. In addition, an exhibition related to the Symposium topics will take place within the framework of the Symposium.

The location of the meeting will be the Laromme Hotel, Jerusalem.

The official language will be English.

The Organizing Committee is chaired by M. Lewin, Israel Fiber Institute and Hebrew University of Jerusalem while S. Margel, Weizmann Institute of Science, is Secretary.

The International Advisory Committee is chaired by E. M. Pearce, Polytechnic University, New York, U.S.A.

The Honorary Chairmen of the Symposium are Professors H. F. Mark (U.S.A.) and E. Katzir-Katchalski (Israel).

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