

*In Situ* Spectroscopy of  
Monomer and Polymer Synthesis

# *In Situ* Spectroscopy of Monomer and Polymer Synthesis

Edited by

J. E. Puskas

*The University of Western Ontario  
London, Ontario, Canada*

T. E. Long

*Virginia Polytechnic Institute and State University  
Blacksburg, Virginia*

R. F. Storey

*The University of Southern Mississippi  
Hattiesburg, Mississippi*

Assistant Editors

Sohel Shaikh

and

Cindy L. Simmons

*The University of Western Ontario  
London, Ontario, Canada*

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## Contact Authors

### Georgia Arbuckle-Keil

Department of Chemistry  
Rutgers, The State University of New Jersey  
315 Penn Street  
Camden, NJ 08102, U.S.A.  
Telephone: (856) 225-6333  
Facsimile: (856) 225-6506  
Email: arbuckle@camden.rutgers.edu

### Jeno Bódis

Faculty of Chemistry & Chemical Engineering  
Department of Organic Chemistry  
Babes-Bolyai University  
str. Arany Janos nr. 11  
RO-3400 Cluj, Romania  
Telephone: +40-64-193833  
Facsimile: +40-64-190818  
Email: jbodis@chem.ubbcluj.ro

### Christian Decker

Department de Photochimie CNRS  
ENSCMu, 3 rue Alfred Werner  
68200 Mulhouse, France  
Telephone: +33-389-336842  
Facsimile: +33-389-336895  
Email: C.Decker@uha.fr

**D. Fischer**

Institute of Polymer Research Dresden e. V.  
Hohe Str. 6  
01069 Dresden, Germany  
Telephone: +49-351-4658228  
Facsimile: +49-351-4658284  
Email: fisch@ipfdd.de

**D. M. Haddleton**

Department of Chemistry  
University of Warwick  
Coventry, CV4 7AL, U.K.  
Telephone: +44(0)2476 523256  
Facsimile: +44(0)2476 528267  
Email: D.M.Haddleton@warwick.ac.uk

**Timothy E. Long**

Department of Chemistry  
Virginia Tech  
Blacksburg, VA 24061-0212, U.S.A.  
Telephone: (540) 231-9503  
Facsimile: (540) 231-8517  
Email: telong@vt.edu

**A. H. E. Müller**

Macromolecular Chemistry II  
University of Bayreuth  
Universitätsstr. 30; NW II  
D-95440 Bayreuth, Germany  
Telephone: +49-921-553399  
Facsimile: +49-921-553393  
Email: axel.mueller@uni-bayreuth.de

**Judit E. Puskas**

Faculty of Engineering Science  
Engineering Science Building  
Chemical & Biochemical Engineering  
University of Western Ontario  
London ON N6A 5B9, Canada  
Telephone: (519) 661-4184  
Facsimile: (519) 850-2343  
Email: jpuskas@uwo.ca

**Vineet Shastry**

Chemical Engineering Department  
College of Engineering  
University of South Florida  
1202 E. Fowler Ave. ENB 118  
Tampa, FL 33620, U.S.A.  
Telephone: (813) 974-5854  
Email: shastry@eng.usf.edu

**Casey D. Stokes**

Graduate Research Associate  
USM Polymer Science  
P.O. Box 10076 USM  
Hattiesburg, MS 39406, U.S.A.  
Telephone: (601) 266-5055  
Facsimile: (601) 266-5504  
Email: Casey.Stokes@usm.edu

**Dr. Mary Thomson**

REMSPEC  
512 Leadmine Road  
Sturbridge, MA 01566-1404, U.S.A.  
Telephone: (508) 248-1462 ext. 203  
Facsimile: (508) 248-1463  
Email: mat@remspec.com

## Preface

This book is a collection of selected papers presented at the symposium titled “*In situ* Spectroscopy in Monomer and Polymer Synthesis,” held at the April, 2001 ACS National Meeting in San Diego, California, USA. The co-organizers of this symposium were Timothy Long, Judit E. Puskas, Robson F. Storey, and J. Andrews.

*In situ* spectroscopic monitoring is gaining popularity both in academia and industry. FTIR monitoring is used most frequently, but UV-visible, raman, and NMR spectroscopy are also important. This book concentrates mostly on FTIR monitoring, both in the near and mid-infrared ranges. The first chapter is a short general overview of FTIR spectroscopy, followed by the symposium contributions. We thought that this would be especially useful for student readers. We hope that the book will present a state-of-the-art overview of research related to *in situ* spectroscopic monitoring.

—Judit E. Puskas

## **Acknowledgments**

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Professor Timothy Long  
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Professor J. Andrews

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