

86th Annual Meeting of Vhe Society of Rheology 2014

**Philadelphia, Pennsylvania, USA
5 – 9 October 2014**

Editor:

A. Co

ISBN: 978-1-63439-725-4

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2014) by Society of Rheology
All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact Society of Rheology
at the address below.

Society of Rheology
c/o Montgomery T. Shaw
Institute of Materials Science
97 North Eagleville Road, Unit 3136
Storrs, CT 06269-3136

Phone: (860) 486-3980

montgomery.shaw@uconn.edu

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Contents

Monday Morning	1
Plenary Lectures	1
Suspensions and Colloids	1
Biomaterials and Biological Systems	3
Polymer Solutions and Melts.....	4
Computational Rheology	6
Blends, Composites and Multiphase Systems	8
Self-assembly and Flow-induced Systems/Gels	9
Monday Afternoon.....	13
Suspensions and Colloids	13
Biomaterials and Biological Systems	16
Polymer Solutions and Melts.....	19
Computational Rheology	23
Food Rheology	26
Self-assembly and Flow-induced Systems/Gels	28
Tuesday Morning.....	33
Plenary Lectures	33
Suspensions and Colloids	33
Biomaterials and Biological Systems	35
Polymer Solutions and Melts.....	36
Non-Newtonian Fluid Mechanics and Stability.....	38
Blends, Composites and Multiphase Systems	39
Confined and Coupled Systems.....	41
Tuesday Afternoon	43
Suspensions and Colloids	43
Biomaterials and Biological Systems	46
Polymer Solutions and Melts.....	49
Non-Newtonian Fluid Mechanics and Stability.....	52
Blends, Composites and Multiphase Systems	55
Confined and Coupled Systems.....	58
Emulsions, Foams and Interfacial Rheology	59
Wednesday Morning.....	61
Plenary Lectures	61
Suspensions and Colloids	61
Biomaterials and Biological Systems	63
Polymer Solutions and Melts.....	64
Non-Newtonian Fluid Mechanics and Stability.....	66

Contents

Self-assembly and Flow-induced Systems/Gels	68
Emulsions, Foams and Interfacial Rheology	69
Wednesday Afternoon	73
Suspensions and Colloids	73
Biomaterials and Biological Systems	76
Polymer Solutions and Melts.....	79
Non-Newtonian Fluid Mechanics and Stability.....	82
Solids and Glasses	85
Emulsions, Foams and Interfacial Rheology	88
Thursday Morning.....	93
Award Presentations	93
Suspensions and Colloids	93
Biomaterials and Biological Systems	95
Polymer Solutions and Melts.....	96
Self-assembly and Flow-induced Systems/Gels	98
Solids and Glasses	100
Emulsions, Foams and Interfacial Rheology	102
Poster Session	105
Poster Session.....	105
Author Index	145
Paper Index	151

This publication was generated with macros developed by Albert Co. The contents of this publication were extracted from the database of The Society of Rheology abstract submission web site at <http://www.rheology.org/sorabst/>. Online version is available at <http://www.rheology.org/sor14a/>.