

Rubber Elasticity

A Symposium
Honoring

Dr. Ronald S. Rivlin

on the occasion of his
induction into the
International Rubber Science
Hall of Fame
for
developing the theory of large
elastic deformations and the basic
mechanics of the strength of
rubber.

Presented by:

*The University of Akron
Institute of Polymer Science and
Polymer Engineering*

and

*The Rubber Division of the
American Chemical Society*

PROGRAM:

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|------------|--|------|---|
| 8:30 | Continental Breakfast | 3:20 | Roger L. Fosdick, "The Elements of Thermodynamics and the Second Law for Ponderable Bodies" |
| 8:50 | Welcome and Introduction to IRSHF | 4:10 | Alan S. Wineman, "Mechano-Chemical Evolution in Elastomers at Large Deformations and Temperatures: Experiments and Simulations" |
| 9:00 | Gregory B. McKenna, "Rivlin, Strain-Energy and Swelling in Rubber" | 5:00 | Closing Remarks |
| 9:50 | Break | 6:00 | Social Hour – Martin Center |
| 10:10 | Mark R. Gurvich, "Hyper-Elastic Modeling of Anisotropic Rubber Materials and Composites" | 7:00 | Banquet and Installation Ceremony (by reservation) – Martin Center |
| 11:00 | Herman F. Nied, "On the Application of Hyperelastic Material Models in the Simulation of Thermoforming and Blow Molding Processes" | | <i>Michael M. Carroll - Biography and Personal Remembrances</i> |
| 12:00-1:20 | Lunch Break | | |
| 1:20 | Alan N. Gent, "100 years of the Poynting Effect and Non-Linear Elasticity" | | |
| 2:10 | Michael M. Carroll, "Strain Energy Functions for Rubber" | | |
| 3:00 | Break | | |

SPEAKERS:

- Professor Gregory B. McKenna, Texas Tech University
- Dr. Mark R. Gurvich, United Technologies Research Center
- Professor Herman F. Nied, Lehigh University
- Professor Alan N. Gent, The University of Akron
- Professor Michael M. Carroll, Rice University
- Professor Roger L. Fosdick, University of Minnesota
- Professor Alan S. Wineman, University of Michigan

International Rubber Science Hall of Fame
Selection Committee

Roderic P. Quirk, Chair
Krishna C. Baranwal
Gary R. Hamed

Alan N. Gent
David O'Brien

REGISTRATION FOR THE SYMPOSIUM ON NOVEMBER 6, 2008 HONORING

DR. RONALD S. RIVLIN

I will be attending (please check):
Symposium
Goodyear Auditorium, Room 229
Goodyear Polymer Center

Installation Dinner, (\$25.00, by reservation
only) 7:00 p.m.
Martin University Center

Name:	
Company:	
Address:	
City:	
State:	Zip:
Phone:	Fax:
email:	

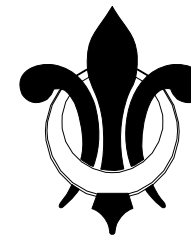
Detach and return your registration (with your check) made payable to the Institute of Polymer Science and Polymer Engineering by **October 29, 2008** to:

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The Institute of Polymer Science and
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International Rubber Science Hall of Fame

November 6, 2008



The University of Akron
Goodyear Polymer Center
Akron, Ohio