



2<sup>nd</sup> North American Symposium on Chemical Reaction Engineering (NASCRE-2)  
February 4-7, 2007, The JW Marriott at the Galleria, Houston, TX

**NASCRE-2**

Program

Sunday (Feb 4)

	Venue	Time
Registration	San Antonio	11 am - 5 pm
Welcome and Introductions (Dan Luss)	Salon B	1:45 - 2:15 pm
Plenary 1: Jeffrey Siirola: Sustainability in the Chemical and Energy Industries	Salon B	2:15 - 3:15 pm
Break	Salon B	3:15 - 3:45 pm
Plenary 2: Se Oh: Math-Based Approach to the Design and Optimization of Vehicle Emission Control Systems	Salon B	3:45 - 4:45 pm
Plenary 3: Kathryn Beers: High-Throughput Approaches to Polymer Science using Microreactor Technology	Salon B	4:45 - 5:45 pm

Monday (Feb 5)

Registration	San Antonio	7:30 am - 5:00 pm
Welcome/Announcements (Bala Subramaniam)	Salon B	8:00 - 8:10 am
Session I: Advances/Innovations in CRE I	Salon B	8:15 - 10:00 am
Session I: Environmental Reaction Engineering	Salon A	
Poster Viewing I (Coffee and Soft Drinks Provided)	Exhibit Hall	10:00 - 11:30 am
Discussion Session I: Advances/Innovations in CRE I	Salon B	11:35 am - 12:30 pm
Discussion Session I: Environmental Reaction Engineering	Salon A	
Lunch (participants on their own)		12:30-2:00 pm
Plenary 4: Rajeev Gautam: Enabling a Sustainable Processing Industry through Novel Technology Solutions	Salon B	2:00 - 3:00 pm
Plenary 5: Stephen B. Jaffe: Composition Based Modeling	Salon B	3:00 - 4:00 pm
Coffee Break	Salon B	4:00 - 4:30 pm
Plenary 6: Ahmad Hilaly: Technical Challenges and Issues in Commercializing Biorefinery Concepts	Salon B	4:30 - 5:30 pm
Opening Reception	Exhibit Hall / Salon II	6:00 - 7:00 pm

Tuesday (Feb 6)

Registration	San Antonio	7:30 am - 5:00 pm
Welcome/Announcements (Kurt VandenBussche)	Salon B	8:00 - 8:10 am
Session II: Advances/Innovations in CRE II	Salon B	8:15 - 10:00 am
Session II: Advances in Kinetic Modeling	Salon A	
Poster Viewing II (Coffee and Soft Drinks Provided)	Exhibit Hall	10:00 - 11:30 am
Discussion Session II: Advances/Innovations in CRE II	Salon B	11:35 am - 12:30 pm
Discussion Session II: Advances in Kinetic Modeling	Salon A	
Lunch (participants on their own)		12:30 - 2:00 pm
Plenary 7: Carlos Villa: Reactor Modeling for Polymerization Processes	Salon B	2:00 - 3:00 pm
Plenary 8: David Robinson: Challenges and Opportunities for Enzyme, Cell Line and Reaction Engineering to Address Increasing Molecular Complexity in Biopharmaceuticals	Salon B	3:00 - 4:00 pm
Coffee Break	Salon A	4:00 - 4:30 pm
Current Trends, Future Challenges and Funding Opportunities. Moderator: Dan Luss; Panelists: Prof. Mike Dudukovic, Washington University in St Louis; Dr. Michael Ramage, Retired VP of ExxonMobil; and Dr. Judy Raper, Director, NSF Division of Chemical, Bioengineering, Environmental, and Transport Systems.	Salon A	4:30 - 6:00 pm
Reception and Conference Banquet (Drinks will be served in Salon C starting at 6:15 p.m.) Professor Gilbert Froment will receive the Amundson Award -- Introduction of Professor Froment: Jan Lerou, Chair, ISCRE, Inc. -- Presentation of Award: Neal R. Amundson	Salon B	6:30 - 9:30 pm

Wed (Feb 7)

Welcome/Announcements (Bala Subramaniam)	Salon B	8:00 - 8:10 am
Session III: Step-out/Novel Technologies	Salon B	8:15 - 10:00 am
Session III: Biological Reaction Engineering and Fuel Cells	Salon A	
Poster Viewing III (Coffee and Soft Drinks Provided)	Exhibit Hall	10:00 - 11:30 am
Discussion Session III: Step-out/Novel Technologies	Salon B	11:35 am - 12:30 pm
Discussion Session III: Biological Reaction Engineering and Fuel Cells	Salon A	

NASCRE-2 Adjourns; MACKiE 2 Begins



## NASCRE-2 Short Program Schedule

### Monday, 2/5/2007-Oral Session I

Advanced/Innovations in CRE I – Salon B

Name	Time	Poster #
Vlachos	8:15 - 8:27	M1
Androulakis	8:27 - 8:39	M2
Mao	8:39 - 8:45	M3
Dixon	8:45 - 8:51	M4
Roy	8:57 - 9:03	M6
Dudukovic	9:03 - 9:09	M7
Kronberg	9:18 - 9:30	M8
Alb	9:30 - 9:36	M9
Dooley	9:36 - 9:42	M10
Choi	9:42 - 9:48	M11
Quadros	9:48 - 9:54	M12
Mills	9:54 - 10:00	M13

### Monday, 2/5/2007-Oral Session I

Environmental Reaction Engineering – Salon A

Name	Time	Poster #
Tronconi	8:15 - 8:27	M18
Weber	8:27 - 8:33	M19
Theis	8:33 - 8:39	M20
Ribeiro	8:39 - 8:45	M21
Balakotaiah	8:45 - 8:51	M22
Epling	8:51 - 8:57	M24
Ho	8:57 - 9:03	M25
Strasser	9:03 - 9:09	M26
Gerdes	9:18 - 9:24	M27
Patcas	9:24 - 9:30	M28
Dudukovic	9:30 - 9:36	M29
de Lasa	9:36 - 9:42	M31

### Tuesday, 2/6/2007-Oral Session II

Advanced/Innovations in CRE I – Salon B

Name	Time	Poster #
Harold	8:15 - 8:27	T1
Schmidt	8:27 - 8:39	T2
Wolf	8:39 - 8:45	T3
Tsotsis	8:45 - 8:51	T4
Kaliya	8:51 - 8:57	T5
Willis	8:57 - 9:03	T6
Subramaniam	9:03 - 9:09	T7
Coppens	9:18 - 9:30	T8
Delgass	9:30 - 9:36	T10
Baumes	9:36 - 9:42	T9
Martirosyan	9:42 - 9:48	T12
Khinast	9:48 - 9:54	T11
Patcas, F-C	9:54 - 10:00	T14

### Tuesday, 2/6/2007-Oral Session II

Advances in Kinetic Modeling – Salon A

Name	Time	Poster #
Schouten	8:15 - 8:27	T17
Keil	8:27 - 8:39	T18
Klein	8:39 - 8:51	T19
Balakotaiah	8:51 - 9:03	T20
Vlachos	9:03 - 9:09	T21
Datta	9:09 - 9:15	T22
Blau	9:15 - 9:21	T23
Dean	9:21 - 9:27	T24
Patcas	9:27 - 9:33	T25
Verstraete	9:33 - 9:39	T26
Zhang	9:39 - 9:45	T27
Ross	9:45 - 9:51	T28
Joshi	9:51 - 9:57	T29

### Wednesday, 2/7/2007-Oral Session III

Step-out/Novel Technologies – Salon B

Name	Time	Poster #
Fan	8:15 - 8:27	W1-3
Jarosch	8:27 - 8:33	W4
Mills	8:33 - 8:39	W5
Subramaniam	8:39 - 8:51	W6-7
Nehlsen	8:51 - 9:03	W8-9
Varma	9:03 - 9:09	W10
Veser	9:18 - 9:24	W11
de Lasa	9:24 - 9:30	W12
Coppens	9:30 - 9:36	W13
De Wilde	9:36 - 9:42	W14
Dias	9:42 - 9:48	W15
Patcas, F-C	9:48 - 9:54	W16
Dias	9:54 - 10:00	W17

### Wednesday, 2/7/2007-Oral Session III

Biological Reaction Engr/Fuel Cells – Salon A

Name	Time	Poster #
Bennett	8:15 - 8:27	W20
Zygourakis	8:27 - 8:39	W21
Song	8:39 - 8:45	W22
Khinast	8:45 - 8:51	W24
Coppens	8:51 - 8:57	W29
Benedik	8:57 - 9:03	W25
Karim	9:03 - 9:09	W26
Holtzapple	9:18 - 9:24	W27
Clark	9:24 - 9:30	W28
Dean	9:30 - 9:36	W30
Strasser	9:36 - 9:42	W31
Varma	9:42 - 9:48	W32
Datta	9:48 - 9:54	W33