

International Workshop on Accelerated Radical Innovation

Information Enhanced Technology Development Challenges

IWARI2005

March 10-12, 2005, Toledo, Ohio, USA

Workshop Program Schedule

Thursday, March 10, 2005

Location	Time	Session 1 Activities
Nitschke Hall 1 st Floor	10:00 – 17:00	<u>Registration and Poster Session Set-Up</u>
	11:30 – 12:30	<u>Lunch and Welcoming Remarks</u>
Nitschke Auditorium	12:30 – 13:00	<u>Introductions and Charge to the Workshop</u> <i>Integrating the Grand Challenges of Accelerated Radical Innovation</i>
	13:00 – 13:40	Overview Presentation #1 <ul style="list-style-type: none"> • Role of Information Technology in Accelerated Radical Innovation (William N. McCreary, Vice President and CTO, Pilkington, PLC.)
	13:40 – 14:20	Overview Presentation #2 <ul style="list-style-type: none"> • Role of Information Technology in Innovation Cluster Development (Microsoft R&D Executive, invited by Mr. William N. McCreary)
Nitschke Auditorium	14:20 – 14:50	<u>Workshop Brainstorming Session #1</u> <i>Integrating the Grand Challenges of Accelerated Radical Innovation</i> <ul style="list-style-type: none"> • Role of Information Technology
Workgroup Room 1	15:00 - 16:00	Workgroup 1 on Role of Information Technology in Grand Challenges Integration
Workgroup Room 2	15:00 - 16:00	Workgroup 2 on Role of Information Technology in Grand Challenges Integration
Workgroup Room 3	15:00 - 16:00	Workgroup 3 on Role of Information Technology in Grand Challenges Integration
Nitschke Auditorium	16:15 – 17:15	<u>Review of Workgroup Summaries</u> <ul style="list-style-type: none"> • Role of Information Technology in Grand Challenges Integration
Nitschke Hall 1 st Floor	17:30 – 18:45	Reception and Poster Sessions
	18:45 – 19:45	Dinner and Conference Welcome
Nitschke Auditorium	19:45 - 20:30	<u>Plenary Lecture</u> <i>Global Innovation Challenges in the 21st Century</i> (Professor Dundar F. Kocaoglu, Chair, Engineering and Technology Management Department, and President and CEO, PICMET, Portland State University)
	20:30	Transportation to Hotel

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Friday, March 11, 2005

Location	Time	Session 2 Activities
	07:00 – 7:30	Transportation From Hotel To Nitschke Hall
Nitschke Hall 1 st Floor	07:15 – 8:00	Continental Breakfast
Nitschke Auditorium	08:00 – 08:10	<u>Review of Charge to the Workshop</u> <i>Integrating the Grand Challenges of Accelerated Radical Innovation</i>
	08:10 – 08:50	Overview Presentation #3 <ul style="list-style-type: none"> Information Enhanced Advanced Material Technology (Dr. Robert Schafrik, General Manager, GE Aircraft Engines)
	08:50 – 09:30	Overview Presentation #4 <ul style="list-style-type: none"> Information Enhanced Manufacturing Innovation of Advanced Materials With 10X Advantage (Dr. Jainagesh Sekhar, President and Chairman, Micropyretics Heaters International, Inc.)
Nitschke Auditorium	09:30– 09:40	<u>Workshop Brainstorming Session #2</u> <i>Integrating the Grand Challenges of Accelerated Radical Innovation</i> <ul style="list-style-type: none"> Role of Grand Challenges Integration in Accelerating Radical Innovation in Materials and Manufacturing Technology
Workgroup Room 1	09:50 - 10:50	Workgroup 1 on Role of Grand Challenges Integration in Accelerating Radical Innovation
Workgroup Room 2	09:50 - 10:50	Workgroup 2 on Role of Grand Challenges Integration in Accelerating Radical Innovation
Workgroup Room 3	09:50 - 10:50	Workgroup 3 on Role of Grand Challenges Integration in Accelerating Radical Innovation
Nitschke Auditorium	11:00 – 12:00	<u>Review of Workgroup Summaries</u> <ul style="list-style-type: none"> Role of Grand Challenges Integration in Accelerating Radical Innovation in Materials and Manufacturing Technology
Nitschke Hall 1 st Floor	12:00- 13:00	Lunch

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Workshop Program Schedule

Friday, March 11, 2005 (continued)

Location	Time	Session 3 Activities
Nitschke Auditorium	13:00 – 13:10	<u>Review of Charge to the Workshop</u> <i>Integrating the Grand Challenges of Accelerated Radical Innovation</i>
	13:10 – 13:50	Overview Presentation #5 <ul style="list-style-type: none"> • Information Enhanced Advanced Transportation Technology (Transportation Industry Executive, Invited by Mr. James Hartung, President and CEO, Toledo Lucas County Port Authority)
	13:50 – 14:30	Overview Presentation #6 <ul style="list-style-type: none"> • Information Enhanced Advanced Agricultural Technology (Dr. Joseph V. Kurian, DuPont Sorona, R&D Manager)
Nitschke Auditorium	14:30 – 14:45	<u>Workshop Brainstorming Session #3</u> <i>Integrating the Grand Challenges of Accelerated Radical Innovation</i> <ul style="list-style-type: none"> • Role of Grand Challenges Integration in Accelerating Radical Innovation in Transportation and Agricultural Technology
Workgroup Room 1	15:00 - 16:15	Workgroup 1 on Role of Grand Challenges Integration in Accelerating Radical Innovation
Workgroup Room 2	15:00 - 16:15	Workgroup 2 on Role of Grand Challenges Integration in Accelerating Radical Innovation
Workgroup Room 3	15:00 - 16:15	Workgroup 3 on Role of Grand Challenges Integration in Accelerating Radical Innovation
Nitschke Auditorium	16:20 – 17:20	<u>Review of Workgroup Summaries</u> <ul style="list-style-type: none"> • Role of Grand Challenges Integration in Accelerating Radical Innovation In Transportation and Agricultural Technology
Nitschke Hall 1 st Floor	17:20 – 18:15	Reception and Poster Sessions
	18:15 – 19:15	Dinner and Conference Welcome
Nitschke Auditorium	19:20 - 20:00	<i>Plenary Lecture</i> <i>Information Enhanced Accelerated Radical Innovation in the 21st Century – An IBM Example</i> (Mr. Mark D. Papermaster, Vice President, Microprocessor Technology Development, IBM Systems and Technology Group)
	20:00	Transportation to Hotel

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Saturday, March 12, 2005

Location	Time	Session 4 Activities
	07:00 – 7:30	Transportation From Hotel To Nitschke Hall
Nitschke Hall 1 st Floor	07:15 – 8:00	Continental Breakfast
Nitschke Auditorium	08:00– 08:10 08:10 – 08:50 08:50 – 09:30	<p><u>Review of Charge to the Workshop</u> <i>Integrating the Grand Challenges of Accelerated Radical Innovation</i> Overview Presentation #7</p> <ul style="list-style-type: none"> • Direct Energy Conversion with Diamond Electron Emitters (Professor Jimmy L. Davidson, Director, Vanderbilt Microelectronics Laboratory) <p>Overview Presentation #8</p> <ul style="list-style-type: none"> • Thin Films and Nanotechnology for Renewable Energy Systems (Dr. William M. Beckenbaugh, Chairman, Scientific Advisory Committee, Konarka Technologies, Inc.)
Nitschke Auditorium	09:30 – 09:40	<p><u>Workshop Brainstorming Session #4</u> <i>Integrating the Grand Challenges of Accelerated Radical Innovation</i> <ul style="list-style-type: none"> • Role of Grand Challenges in Accelerating Radical Innovation in Energy Systems Technology </p>
Workgroup Room 1	09:40 - 10:30	Workgroup 1 on Role of Grand Challenges Integration in Accelerated Radical Innovation
Workgroup Room 2	09:40 - 10:30	Workgroup 2 on Role of Grand Challenges Integration in Accelerated Radial Innovation
Workgroup Room 3	09:40 - 10:30	Workgroup 3 on Role of Grand Challenges Integration in Accelerated Radical Inovation
Nitschke Auditorium	10:40 – 11:30	<p><u>Review of Workgroup Summaries</u> <ul style="list-style-type: none"> • Role of Grand Challenges Integration in Accelerated Radical Innovation in Energy System Technologies </p>
Nitschke Auditorium	11:30 – 12:30	<p><u>Workshop Brainstorming Session #5</u> <i>Toward A Unified, Consistent, Verifiable Set of Principles, Tools and Methodologies For Accelerated Radical Innovation</i></p>
Nitschke Hall 1 st Floor	12:30- 13:30	Lunch, Summary of Workshop Findings, Next Steps Adjourn
Breakout Room	13:30-14:30	Planning Session on Workshop Publication and Future Accelerated Radical Innovation Conference (optional – open to all)