



iNEMI[®]

International Electronics Manufacturing Initiative

Agenda/iNEMI Overview

*Chuck Richardson
OFC/NFOEC 2009
San Diego Convention
Center
March 23, 2009*

Advancing manufacturing technology

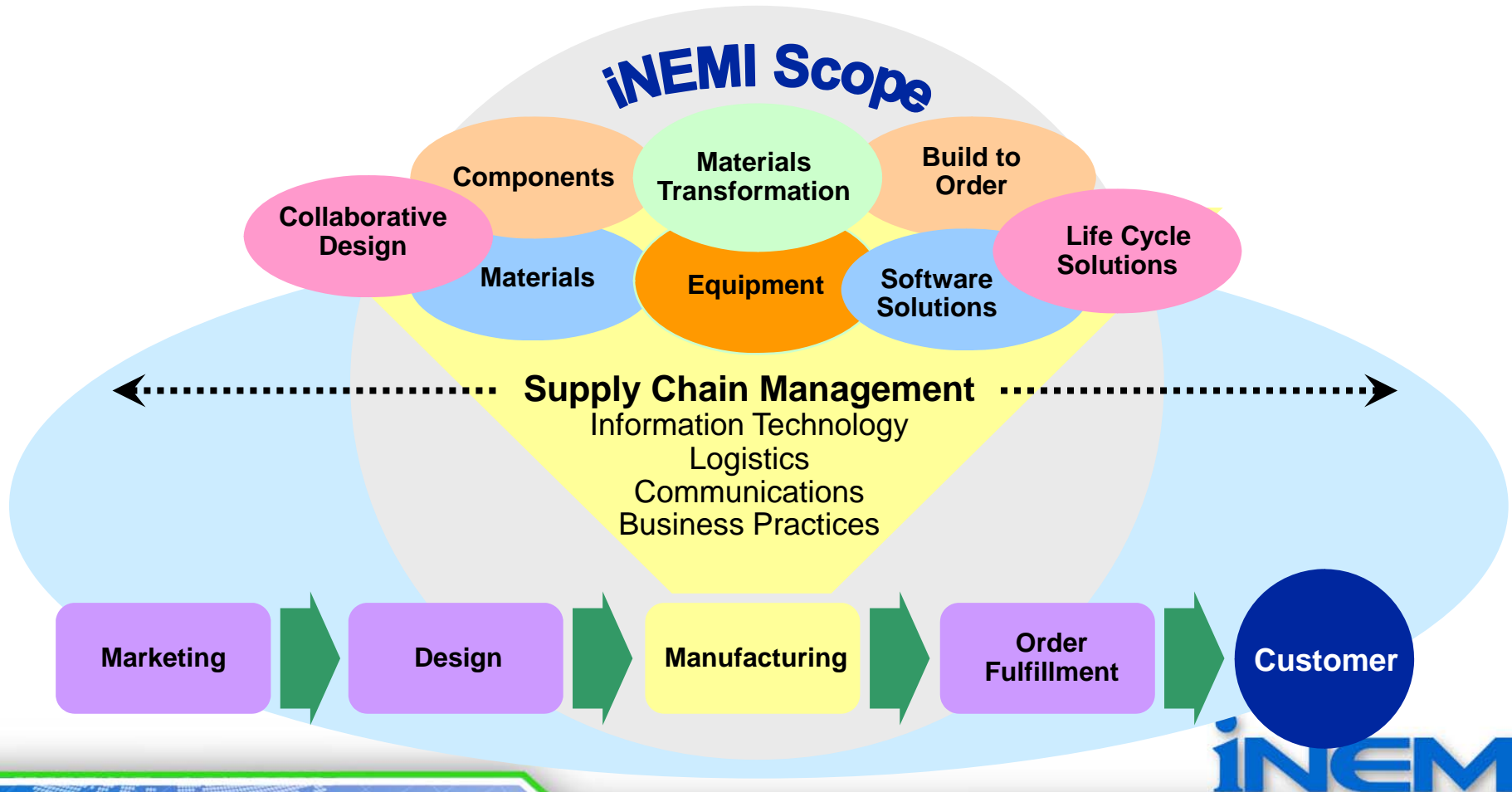
Agenda

Time	Subject	Presenter
9:45 am	iNEMI Introduction	Chuck Richardson, iNEMI
10:00 am	Phase 2, Fiber Connector Endface Inspection “End of Project Webinar”	Tatiana Berdinskikh, Celestica
11:00 am	Optoelectronics Technical Plan	Chuck & Tatiana
12:00 pm	IEC Standard Update	Matt Brown, JDSU
12:20 pm	Lunch Break	
1:10 pm	iNEMI Poster	Christine Chen, Avago
1:20 pm	10 G Receptacle Modeling Methods	Yutaka Sadohara, Sumitomo; Doug Wilson, PVI Systems; Christine Chen
1:40 pm	DoE for Particle Thickness	Dave Fisher, Tyco; Sun-Yuan Huang, Emcore
2:00 pm	Particle Movement (Videos)	David Lach, Tellabs
2:20 pm	Receptacles Selection of 10 G Pluggable Optics for Modeling	Kevin Zhang, Opnext
2:40 pm	End Face Cleanliness Requirements for 40/100 G Applications	Sun-Yuan Huang
3:00 pm	Project Future Directions/Q&A	Tatiana



Mission

Identify and Close TECHNOLOGY GAPS which includes the development and integration of the electronics industry supply infrastructure.



What Does iNEMI Do?

***Leverage the combined Power of Member Companies to
Provide Industry Leadership***

- **iNEMI Roadmaps the Global Needs of the Electronics Industry**
 - Evolution of existing technologies
 - Predictions on emerging/innovative technologies
- **iNEMI Identifies Gaps (both business & technical) in the electronics Infrastructure**
- **iNEMI Stimulates R&D Projects to fill these Gaps**
- **iNEMI Establishes Regional Implementation Projects to Eliminate these Gaps**
- **iNEMI Stimulates World-wide Standards to speed the Introduction of New Technology & Business Practices**
- **iNEMI works with other organizations to insure that government policy recommendations are aligned with iNEMI mission.**



Value Proposition

“Advancing Manufacturing Technology”

- **iNEMI offers the opportunity to collaborate with the entire supply chain in an efficient manner**
 - To understand and accelerate strategic directions
 - To define future needs and opportunities
 - To jointly create industry standard technology solutions.
- **Today’s increasingly distributed supply chain makes this more important than ever.**
- **iNEMI is a member driven organization that adapts to industry changes quickly and provides timely leadership.**
- **iNEMI provides important deliverables:**
 - Technology roadmaps
 - Research priorities
 - Forums on key industry issues
 - Technology Deployment projects.



Statistics for the 2009 Roadmap

- **> 550 Participants**
- **> 250 Companies/organizations**
- **18 Countries from 4 Continents**
- **20 Technology Working Groups (TWGs)**
- **5 Product Emulator Groups (PEGs)**
- **Over 1400 Pages of Information**
- **Roadmaps the needs for 2009-2019**

OEM/EMS Members



Supplier Members



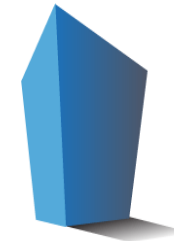
Association/Consortium, Government, Consultant & University Members



ASSOCIATION CONNECTING
ELECTRONICS INDUSTRIES®



ITRI
Industrial Technology
Research Institute



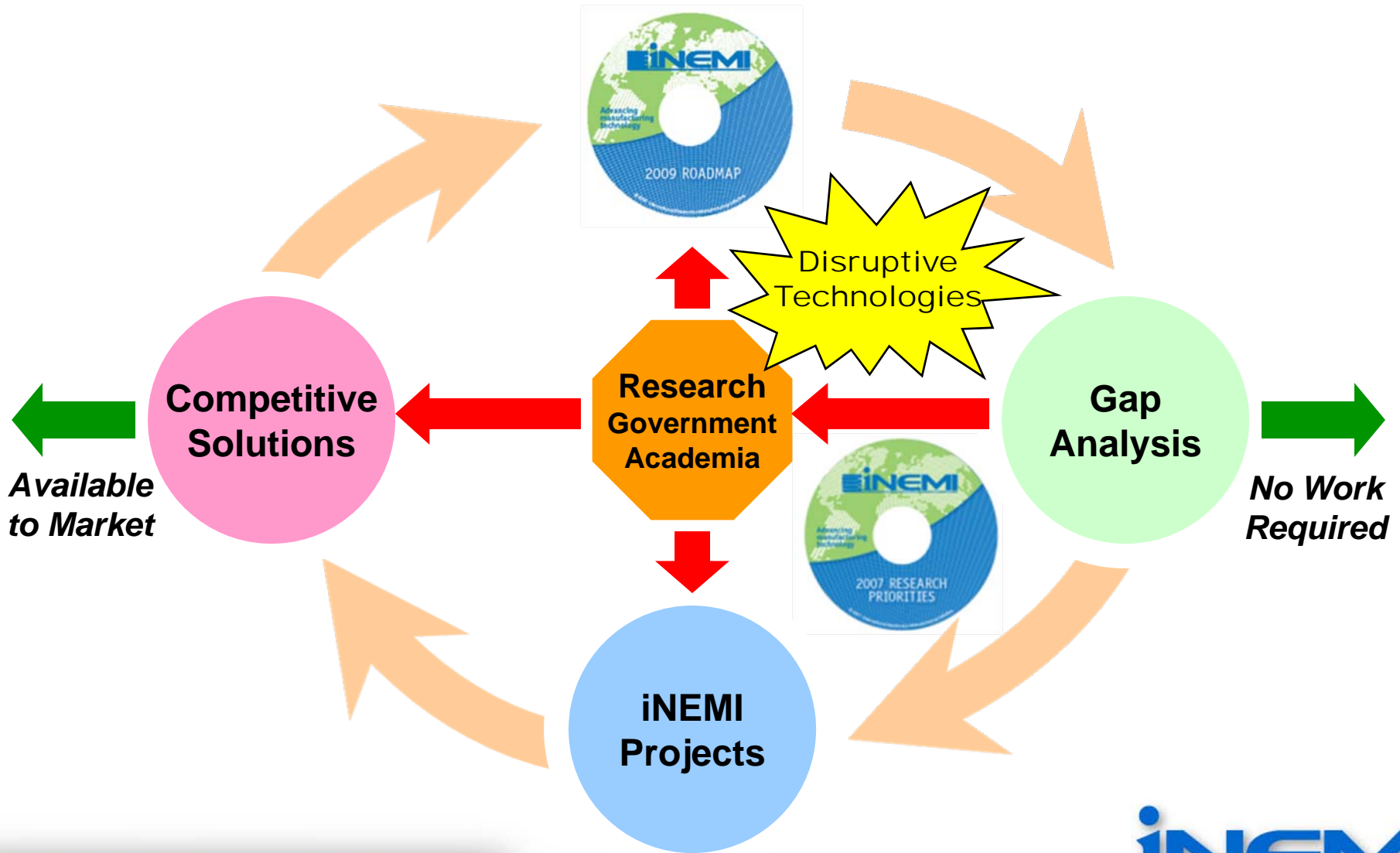
CIT
CENTER FOR INNOVATIVE TECHNOLOGY

NIST

National Institute of Standards and Technology



iNEMI Methodology



NEMI Projects Close Gaps

- **Develop/evaluate processes and/or protocols**
- **Evaluate alternative technologies**
- **Identify equipment needs**
- **Identify/evaluate communication schemes**
- **Determine component requirements**
- **Develop standards proposals**

Key Elements in Value of iNEMI Projects

- **The companies represented**
 - OEMs who are market leaders in innovative products
 - EMS providers who are global leaders in manufacturing
 - Leading suppliers for manufacturing equipment, materials, components, and software.
- **The specific participants within those companies**
 - Board of Directors
 - Technical Committee
 - Council Members

How Projects are Defined

- **Hold project formation meeting**
- **Members develop Statement of Requirements**
 - User/business case driven
 - What is needed
 - Desired outcome of project
- **Identify leaders**
- **Members develop Statement of Work**
 - Project plan with identified tasks, check points and end dates
 - Companies expected to participate
 - Results expected and how they will be shared outside project
- **Members sign Project Participation Statement**
 - Formally commit resources as agreed
- **Carry out project, report quarterly**