

# INITIATIVE FOR PRODUCT LIFECYCLE INNOVATION (IPLI)

CLAYTON NICHOLAS

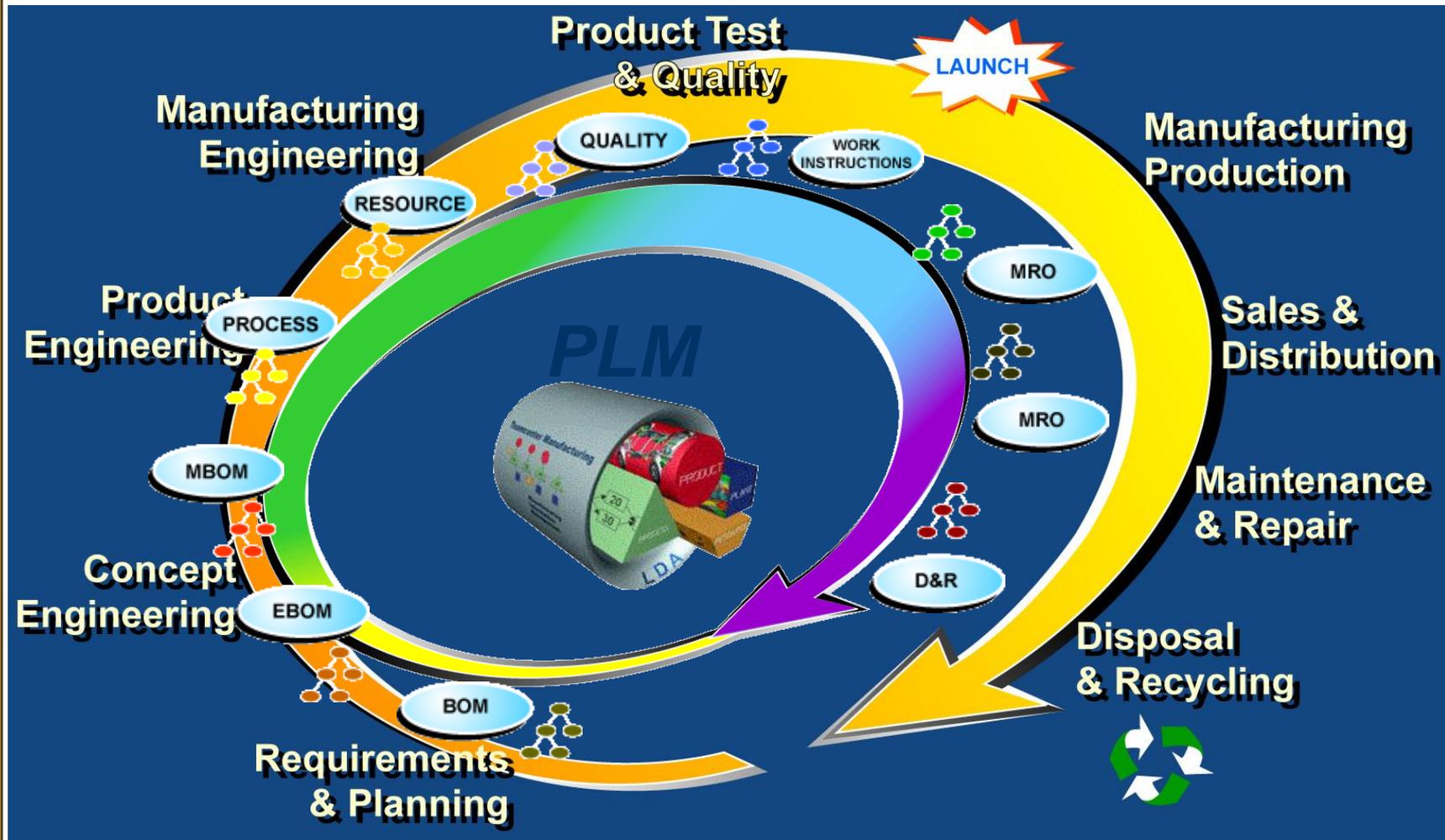
# Product Lifecycle

## Digital Product Lifecycle Management



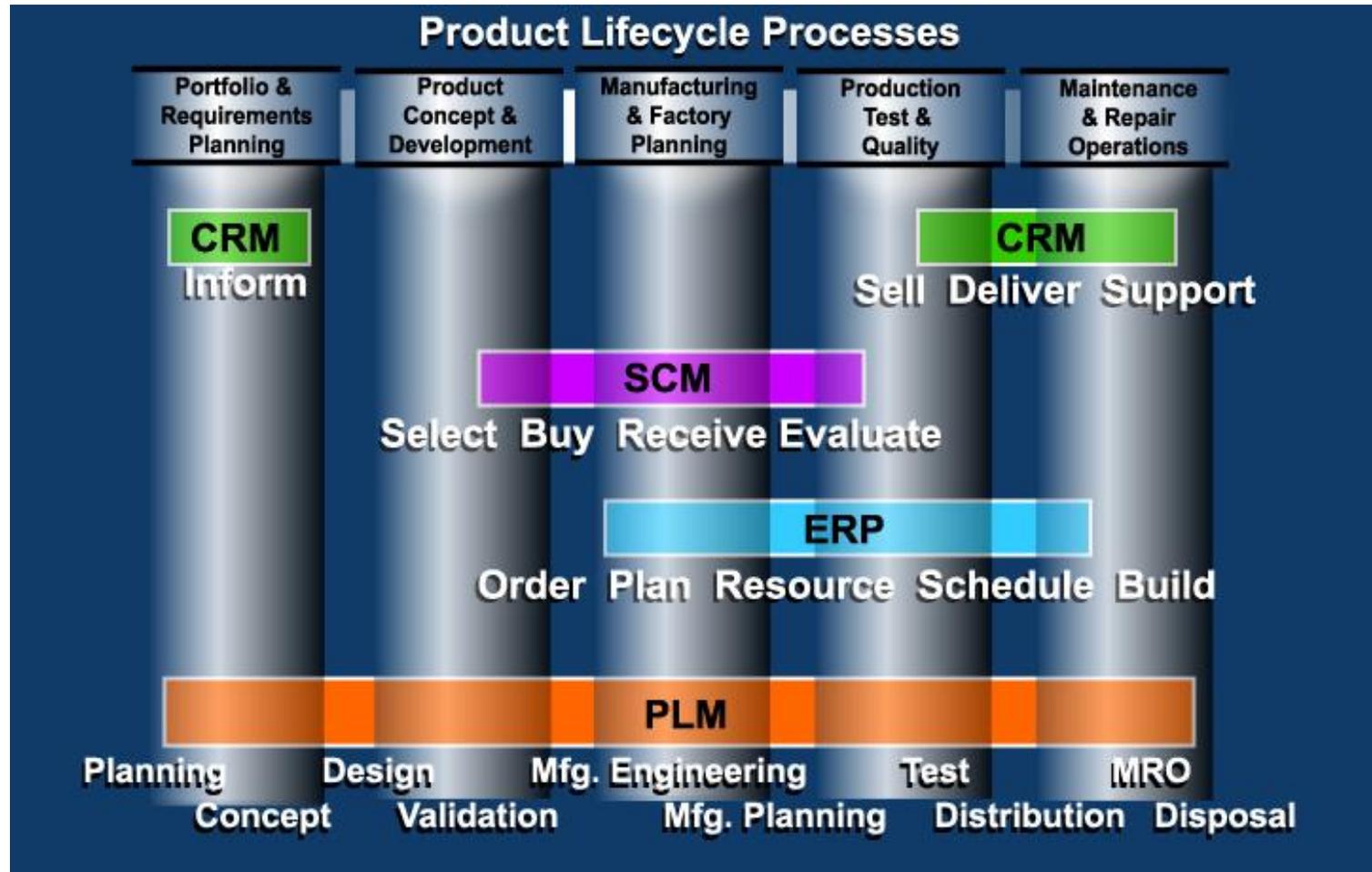
# Product Lifecycle

## Digital Product Lifecycle Management



\*Developed by Shuning Li

# Enterprise Level Information Systems



- Customer Relationship Management (CRM)
- Supply Chain Management (SCM)
- Enterprise Resource Planning (ERP)
- Product Lifecycle Management (PLM)

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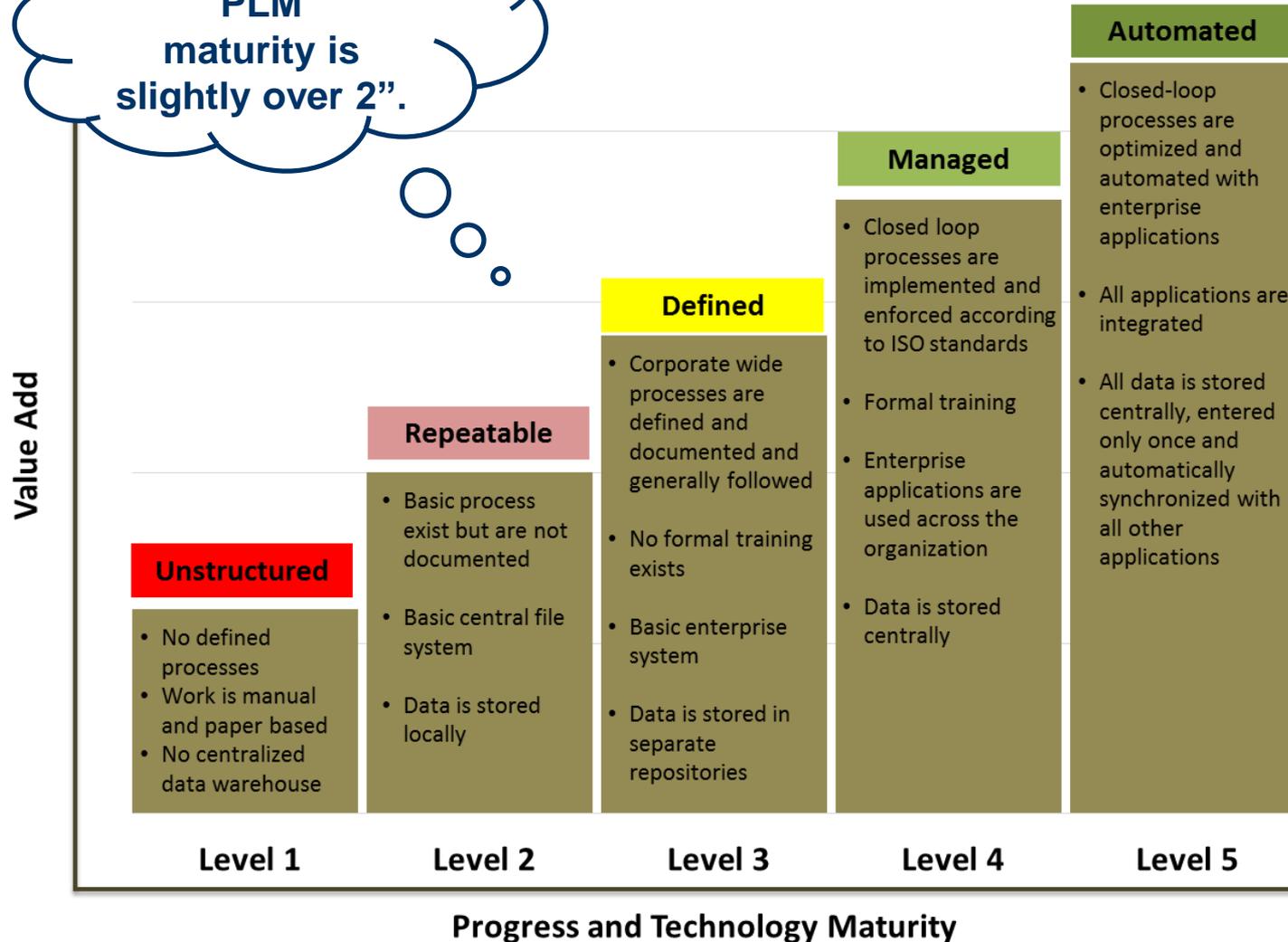
# PLM SOFTWARE VENDORS

<b>PLM Vendor</b>	<b>Offering</b>	<b>Name of Product</b>
Aras Corporation	PLM Software (Open Source)	Aras Innovator
Arena Solutions	PLM On-Demand	Arena
Dassault Systems	PLM Software	Enovia Matrix One Enovia SmarTeam
Ingenuus Software	PLM Software	BPMplus
Oracle	PLM Software	Agile 9 Agile e6
Professional Systems Associates	PLM Software	CMPRO
PTC	PLM Software PLM On-Demand	Windchill Windchill On-Demand
SAP	PLM Software	SAP PLM
Siemens	PLM Software	Teamcenter Unified Teamcenter Engineering Teamcenter Enterprise Teamcenter Express



# PLM Maturity Model

“The average PLM maturity is slightly over 2”.



\*Adapted from ANDREAS LINDENTHAL of Kalypso

## Digital Manufacturing and Design: Hazim El-Mounayri & Andres Tovar

### Core labs/centers/institutes:

- Initiative for Product Lifecycle Innovation (IPLI)
- Advanced Engineering and Manufacturing Laboratory (AEML)
- Dental Biomechanics Research Laboratory (DBRL)
- Living Lab (LL)
- Integrated Nanosystems Development Institute (INDI)
- Advanced Visualization Lab (AVL)
- Engineering Design Research Laboratory (EDRL)

## Product Lifecycle Management: Jie Chen, Hazim El-Mounayri, Shuning Li, Doug Acheson & Daniel Aw

### Core labs/centers/institutes:

- Advanced Engineering and Manufacturing Laboratory (AEML)
- Initiative for Product Lifecycle Innovation (IPLI)

## Advanced Engineering: Tamer Wasfy

### Core labs/centers/institutes:

- Multibody Dynamics Lab (MDL)
- Advanced Visualization Lab (AVL)
- Advanced Materials Laboratory (AML)
- Integrated Nanosystems Development Institute (INDI)
- Initiative for Product Lifecycle Innovation (IPLI)
- Dental Biomechanics Research Laboratory (DBRL)
- Mechatronics Research Laboratory (MRL)

# THE NEXT STEPS.....

- Implementation and integration are clearly one of the challenging issues associated with implementing any new system.
- The School of Engineering & Technology believes we can play a role by:
  - ✓ Educating Students thereby providing a knowledgeable workforce to industry
  - ✓ Developing industry specific training focused on implementation and integration
  - ✓ Establishing labs for students and industry
- As a follow up to the survey we are assembling a roundtable meeting of cross industry experts to explore the benefits of a university led initiative to help increase/improve the implementation and integration of PLM software tools by:
  - ✓ Establishing a forum where industry best practices can be explored and shared on a precompetitive basis
  - ✓ Providing a vehicle for industry to conduct collaborative research with faculty

# UNIVERSITY – INDUSTRY PLM ROUNDTABLE

## MAY 22 3:00-5:30

The new Initiative for Product Lifecycle Innovation (IPLI) at IUPUI is pleased to announce its first public event, a roundtable about the philosophy, implementation, and supporting technology/ tools of Product Lifecycle Management (PLM), held on Thursday 05/22/14, from 3:00pm to 5:30pm in the IUPUI campus center (room CE 406), Indianapolis. The participants will be involved in a roundtable discussion and will learn about implementing PLM (Product Lifecycle Management), measuring success, and recognizing barriers. Also, they will be able to engage in discussions with IUPUI faculty to influence the future service offerings of IPLI aimed at creating maximal value for its future industry members.

If you would like to participate in this event, please complete the registration at the following link: <https://crm.iu.edu/CRMEvents/PLMRoundtable/>