

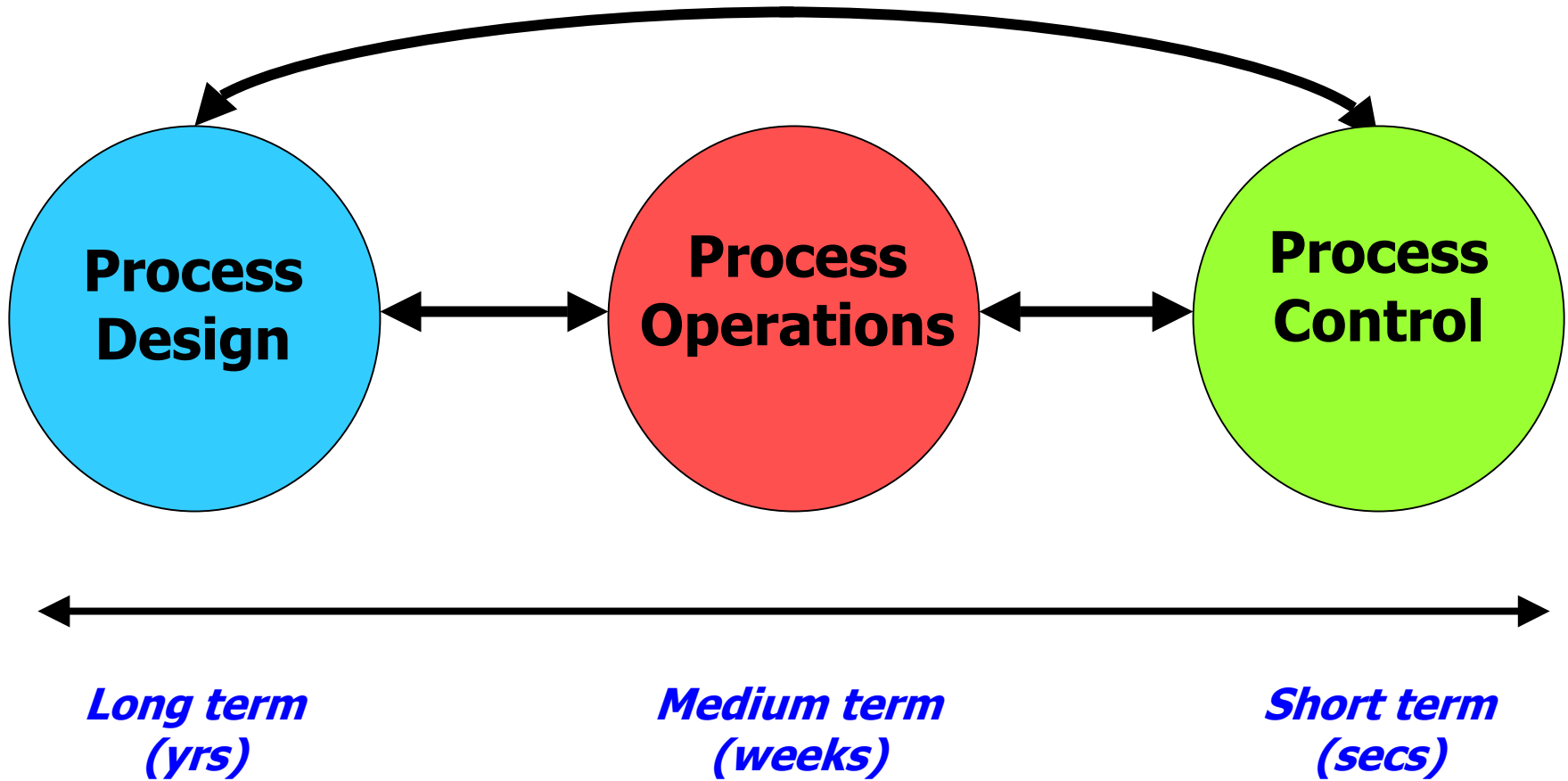
# FOCAPO 2003

**“A View to the Future Integration of R&D,  
Manufacturing, and the Global Supply  
Chain”**

**January 12-15, 2003**

**Coral Springs, Florida**





**Methods and tools for medium-term *management and operation* of processes and supply chains**

**Major problems:**

*Planning, scheduling, diagnosis, maintenance, safety, quality & data management*

**Core tools:**

*Optimization and knowledge-based methodologies*

*Information technologies*

- **1988 Park City, Utah: G.V. Reklaitis and H.D. Spriggs**  
*Definition of process operations – data management*
- **1993 Crested Butte, Col.: D.W.T. Rippin† and J. Hale**  
*Planning and scheduling, safety*
- **1998 Snowbird, Utah: J. Pekny and G. Blau**  
*Plant wide optimization, quality, planning and scheduling*

# Experience FOCAPO Meetings

- High level industrial participation
- Emphasis on new problems
- Reviews of state-of-the-art

# **FOCAPO** 2003

**“A View to the Future Integration of R&D,  
Manufacturing, and the Global Supply Chain”**

**Coral Springs, Florida**

*Ignacio E. Grossmann, Carnegie Mellon*  
*Conor M. McDonald, DuPont*

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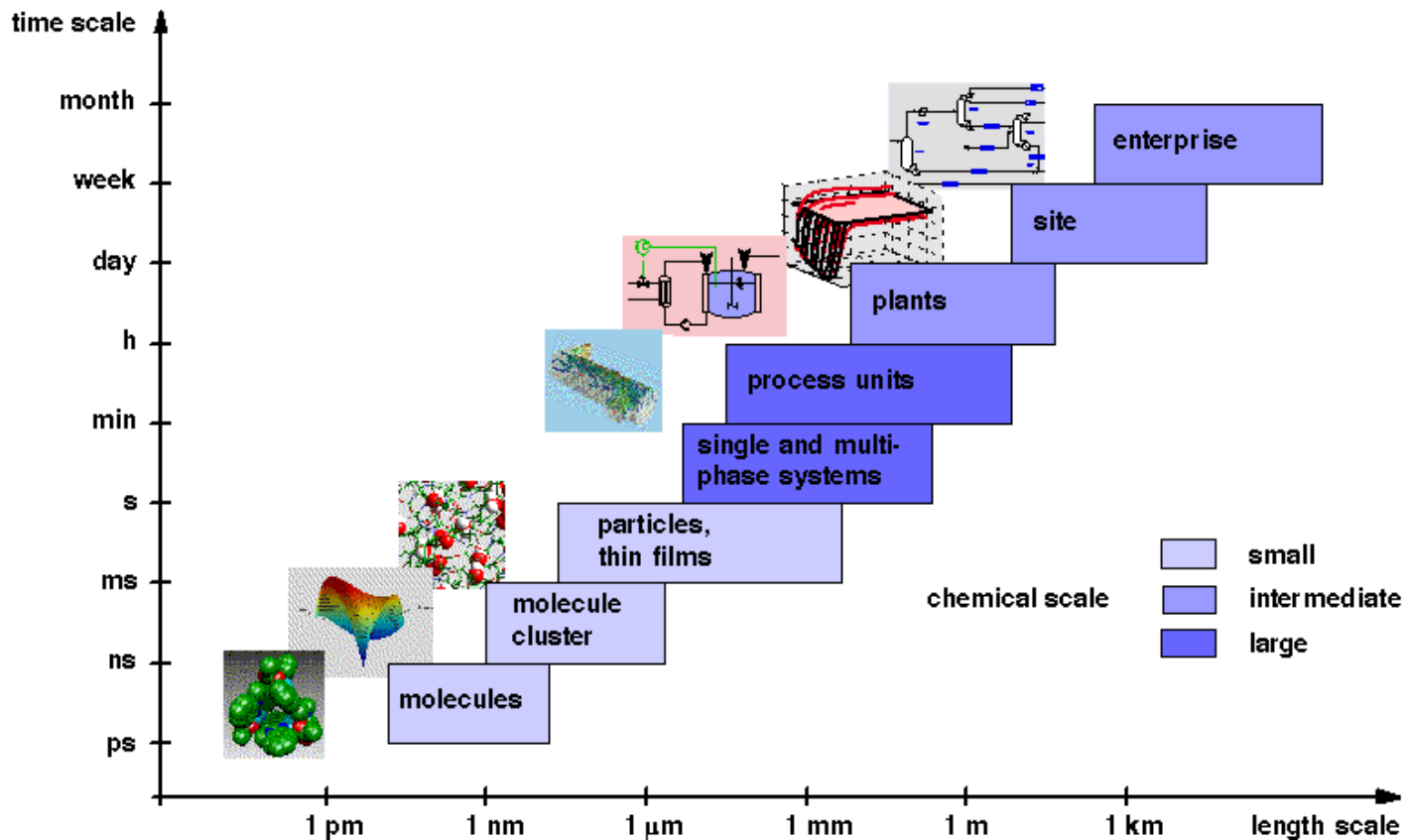


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Juan Zamora, UAM Mexico

## From R&D at the molecular level to enterprise management



*Courtesy: Wolfgang Marquart, RWTH*

*Sunday, January 12*

4:30-6:00 **Keynote address** *Dennis Houston*

6:00-7:15 *Reception*

7:30-9:30 **Pharmaceutical and Biotechnology R&D** *S. Kim*

*Monday, January 13*

8:30-12:00 **State-of-the-Art in Supply Chain** *S. Park*

1:30-4:00 **Supply Chain Applications** *B. Nyland*

7:30-10:00 **Contributed papers** *Pistikopoulos, Pekny*

*Tuesday, January 14*

8:30-12:00 **Methodologies for Process Operations** *W. Marquardt*

1:00-2:30 **Contributed papers**

2:30-6:00 **Panel discussions: Vendors** *Wassick, Stenhouse*

**Academic/Industrial** *Daichendt, Puigjaner*

7:30-10:00 *Banquet*

*Wednesday, January 15*

8:30-12:00 **Optimization: Modeling & Techniques** *C. Pantelides*

1:30-3:30 **New Challenges in Process Operations** *G. Blau*

3:45-4:30 **Closing session** *Rex Reklaitis*

**Total number participants: 153**

**Industrial 53**

**Academic 100**

**Petroleum:** *BP, ExxonMobil, Shell, TotalFinaElf*

**Chemicals:** *Air Products, Bayer, Dow, DuPont, Eastman, Lg Chem, Mitsubishi*

**Pharmaceuticals:** *Eli-Lilly, Pharmacia, Trans-Form*

**Consumer Prods/Foods:** *Procter&Gamble, Coca Cola*

**Engineering:** *ABB, Siemens*

**Software:** *Accelics, Agilsys, AspenTech, Dash, ECONETS, Emerson, i2, ILOG, Intelligen, Pavilion, PSEnterprise, SAP, SAS, SlimTech, SmartOps, Soteica*

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<b>United States</b>	<b>76</b>
<b>International (<i>25 countries</i>)</b>	<b>77</b>

***Americas: Argentina, Brazil, Canada, Mexico, United States***

***Asia: China, Hong Kong, India, Japan, Korea, Taiwan***

***Australia***

***Europe: Denmark, Finland, France, Germany, Hungary, Italy ,  
Netherlands, Portugal , Slovenia, Spain, Sweden, Switzerland,  
Turkey, United Kingdom***

***Graduate students***     **31**

***Women***     **20**



**ExxonMobil**

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