

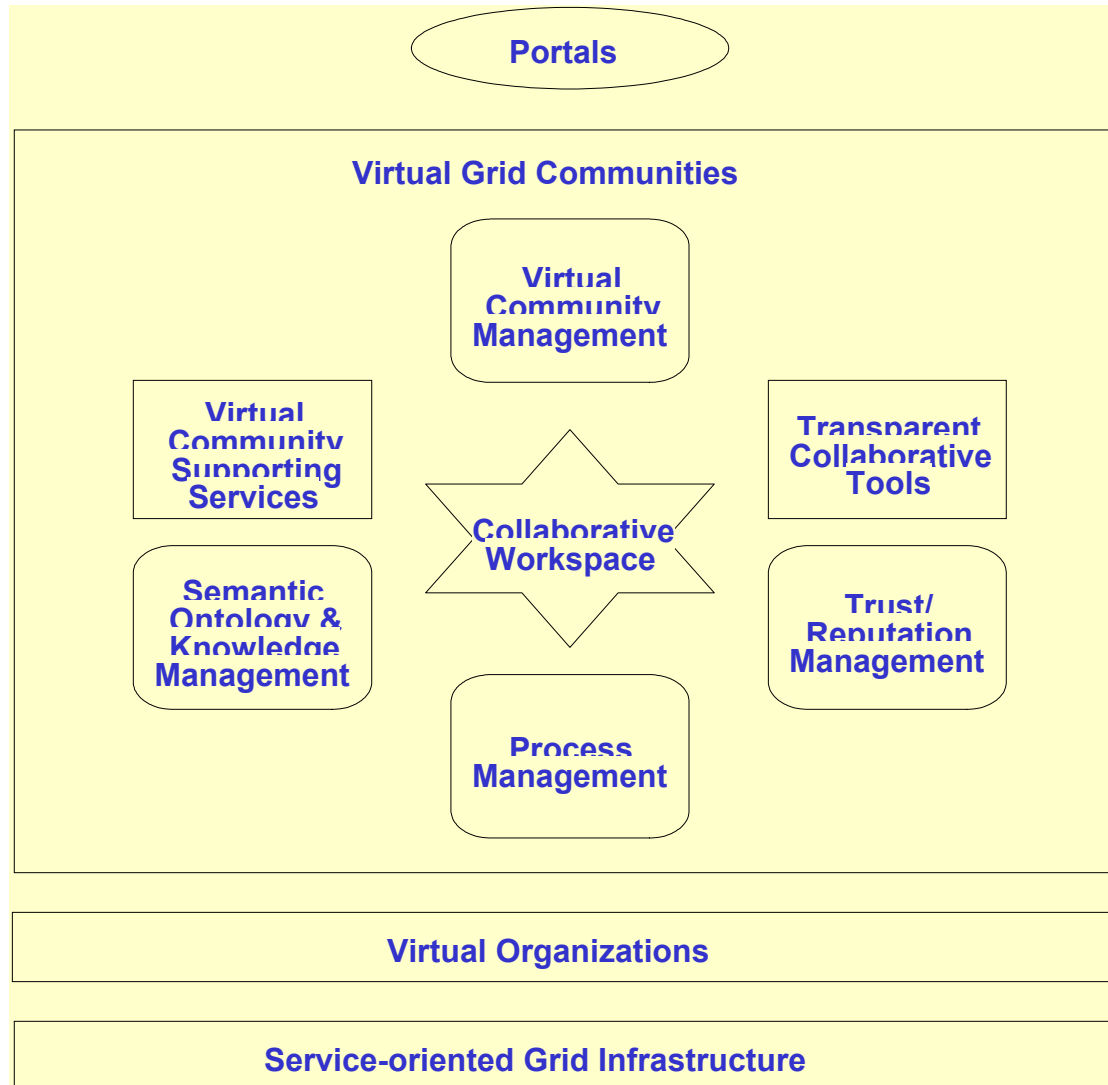
# Grid Asia 2006

## Manufacturing

- Introduction
  - National Grid Project
    - Operational Transparent Virtual Grid Community Over Service Oriented Grid
  - The Integrated Manufacturing and Service Systems
    - Pilot Projects (Sept. 2004 - March 2005) → Thematic Strategic Research Programme (TSRP).
    - Nine projects awarded in April 2006

# Grid Asia 2006

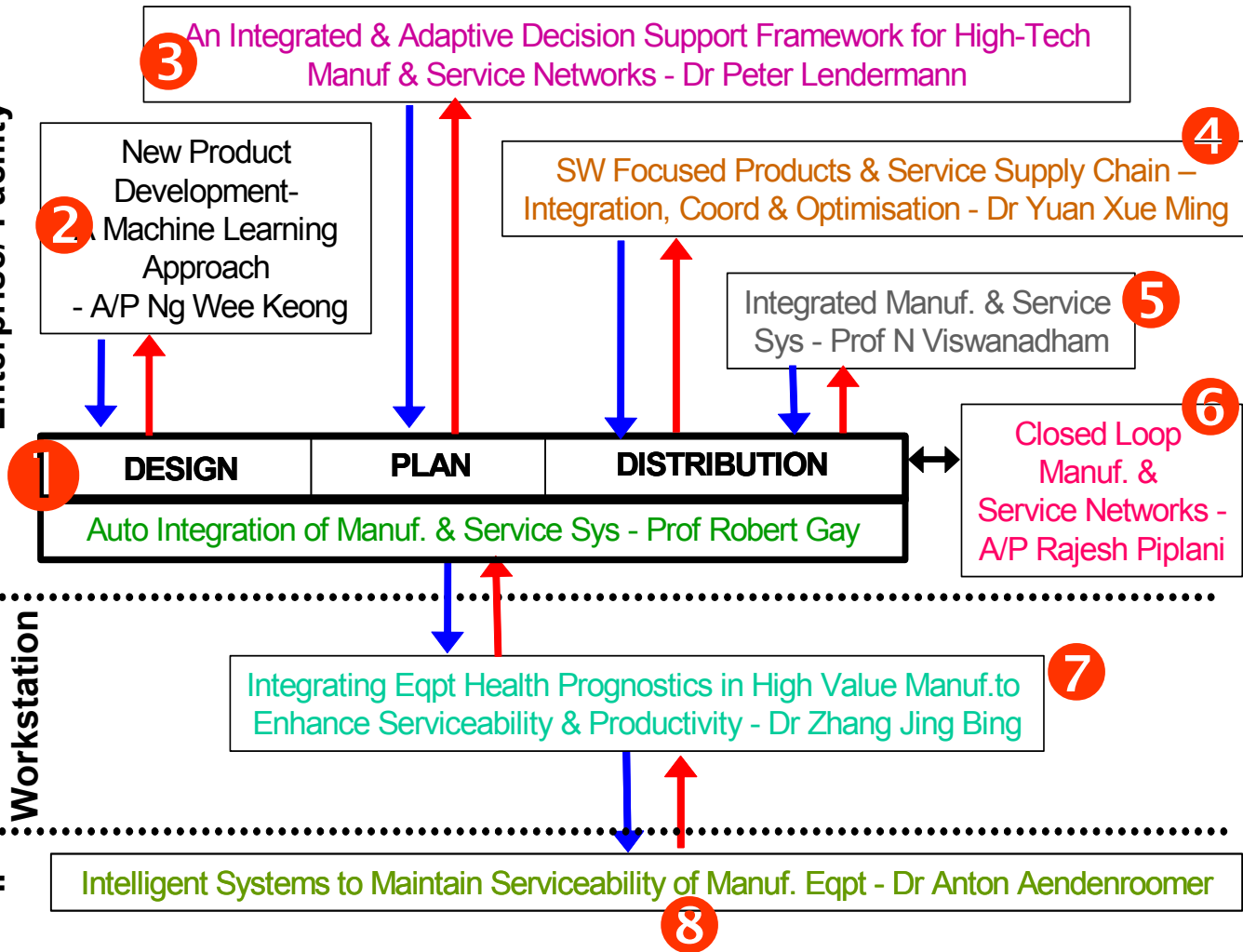
## Virtual Grid Community



# Integrated Manufacturing & Service Systems (IMSS) Framework

## Typical Manufacturing Environment

Enterprise/ Facility



## Bio & Chem Manuf. Env.

**9**

Integrative Design & Supply Chain of a Bio-Pharmaceutical Workflow System - A/P Tan Tin Wee

**DESIGN/PLAN**

**MANUFACTURE**

Integrated Supply Chain for a Chemical Hub - A/P I A Karimi

**10**

Enterprise/ Facility

Plant/ Shop

