

ArtistDesign Showcase of the Main Results  
Dresden, March 15th, 2012

*Cluster*

*A Few Examples:*

# Hardware Platforms and MPSoC Design

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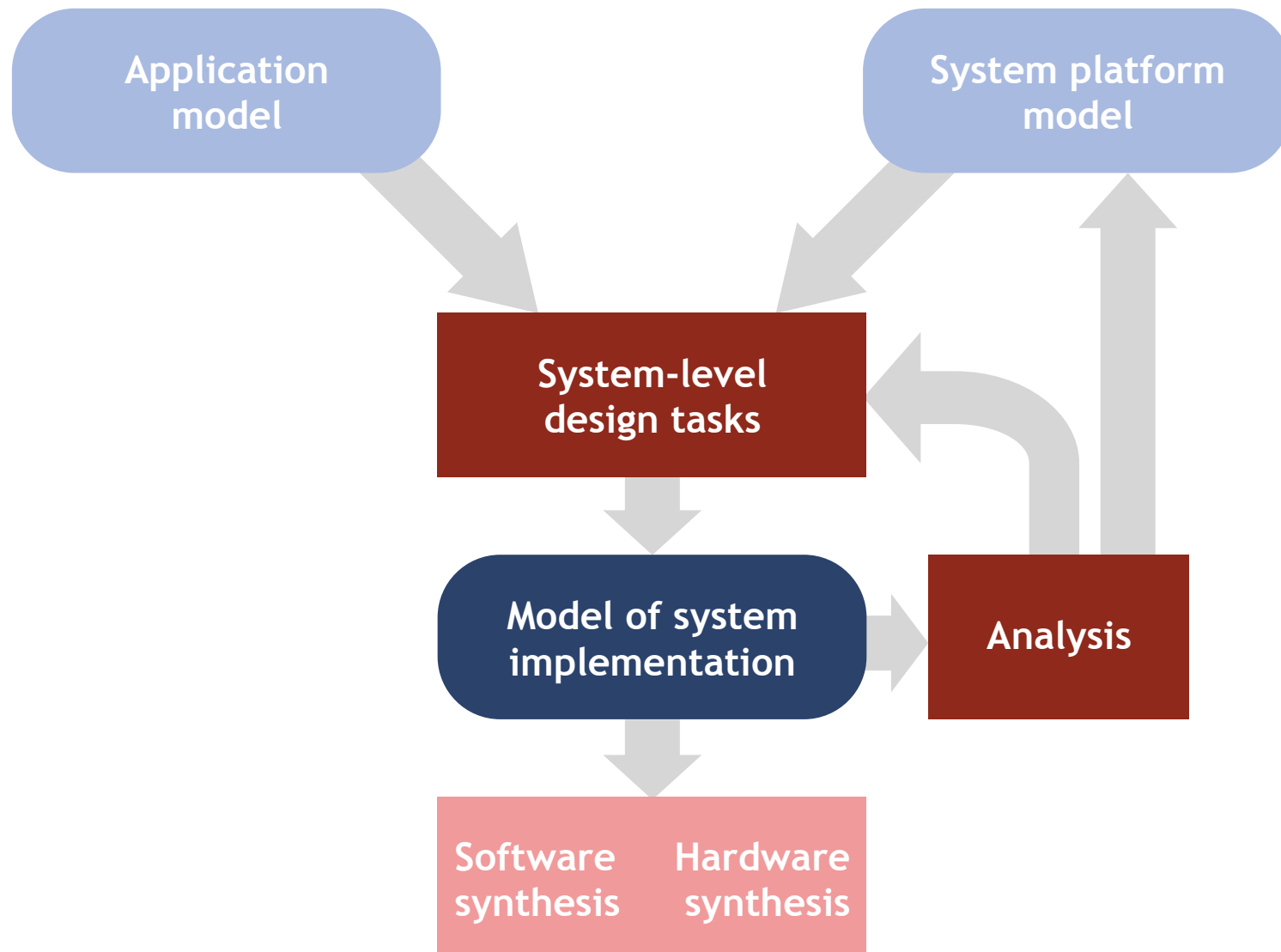
# Overall High-Level Objectives and Vision

- Focus on **Design** and **Analysis**
- Hardware architecture and software components in their **interaction**
- Tools for accurate estimation and exploration
- Growing importance of **resource awareness** in embedded systems
- Design methodology
  - Scales to **massively parallel** and **heterogeneous** multiprocessor architectures
  - Allows for **predictable** system properties
  - Uses the available hardware **resources** in an efficient manner
- **Emerging technologies**
  - 3D integration
  - Biochips
  - Self-powered systems

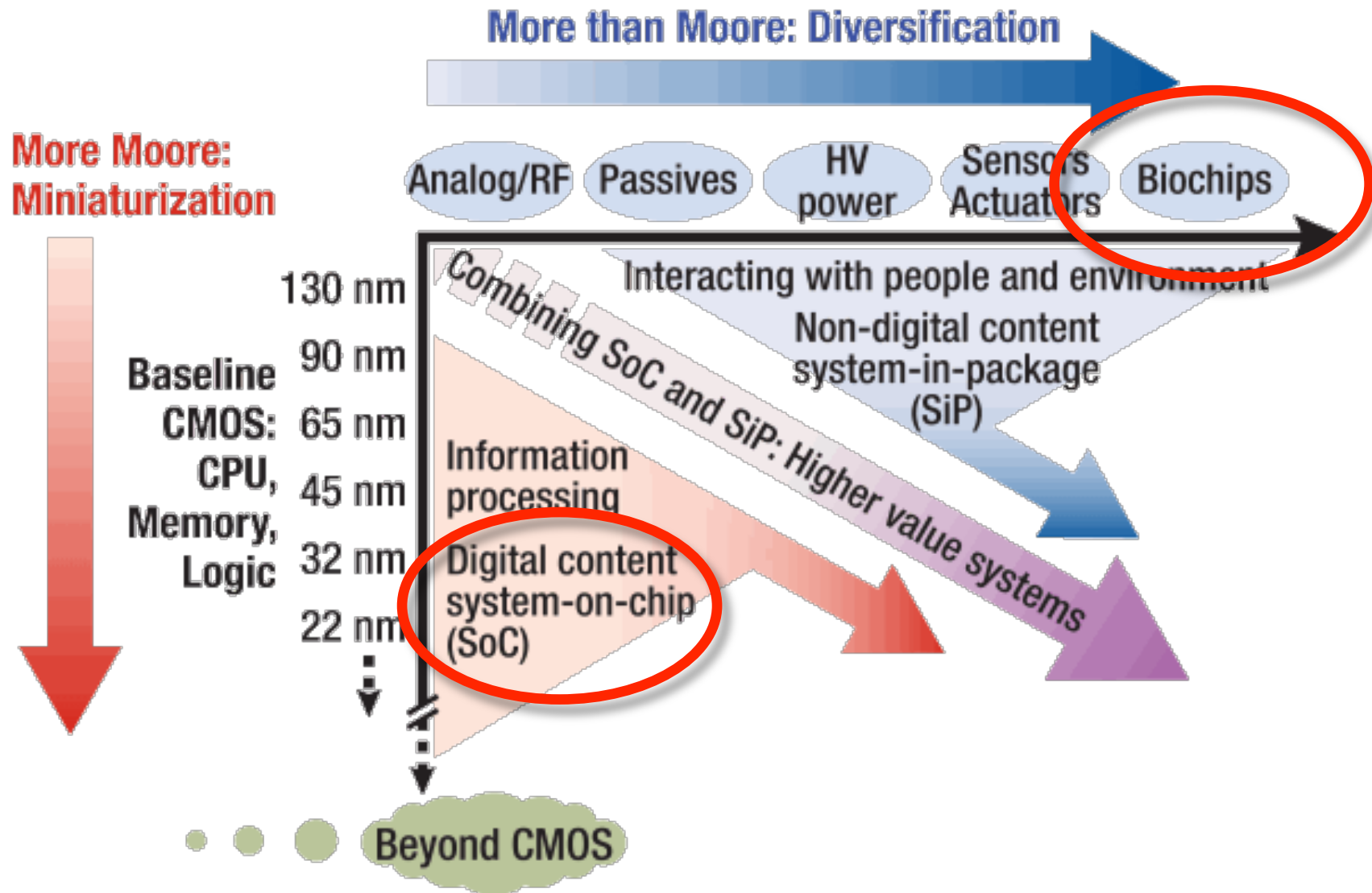
# Partners



# Mapping Applications onto Platforms



# More than Moore!



# Outline

- Mapping algorithms to MPSoC
  - Addressing modelling, analysis and synthesis of complex embedded systems
- Mapping algorithms to Biochips
  - Addressing emerging technologies

Thank you for your attention