DSL Executability

- Modularity, composability
- MoCC, REPL
- Animation, debugging, monitoring, (co-)simulation

Modular & Distributed IDE

- Language protocol
- Microservice architecture
- IDE as Code
- Reconfigurable IDE

Design Lab

- Web-based IDE
- Usability & interactivity
- Collaborative platforms
- Design-Space Exploration

Self-Adaptable Language

- Integrate the domain feedback loop in language definition
- Approx. language semantics
- Smart Language/IDE

Live & Polyglot Development

- Immediate feedback and direct manipulation
- Program (state) co-evolution
- Socio-technical coordination

Application domains: Systems engineering, Cloud and Distributed Computing, Smart Cyber-Physical Systems, IoT, Scientific Computing.