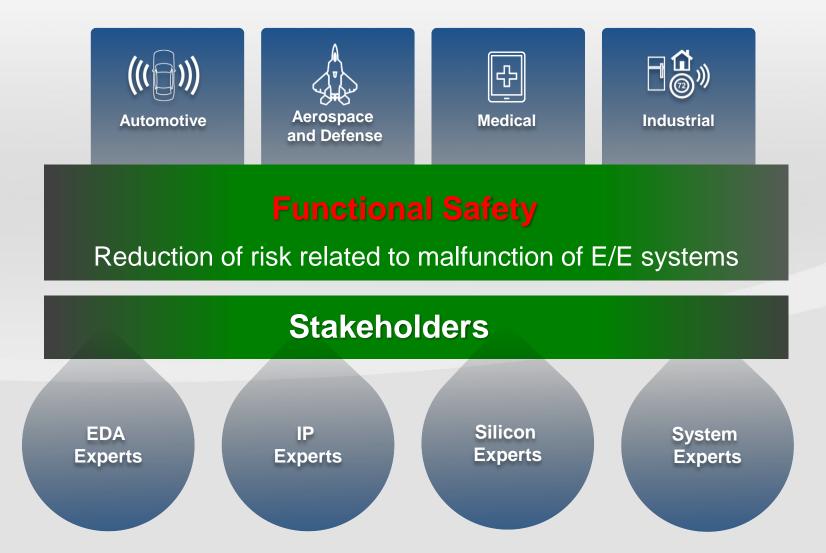


Accellera Systems Initiative Functional Safety Working Group

Alessandra Nardi, FS Working Group Chair Franck Galtié, FS Working Group Vice-Chair



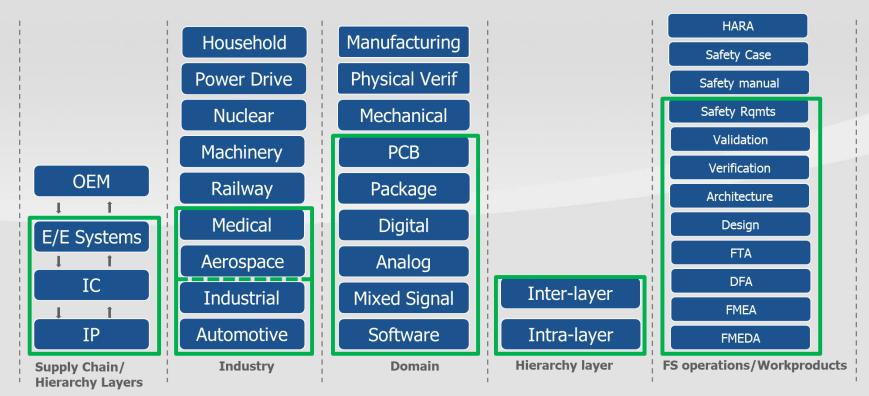
Accellera Functional Safety Working Group





Functional Safety: Industry Needs and Requirements

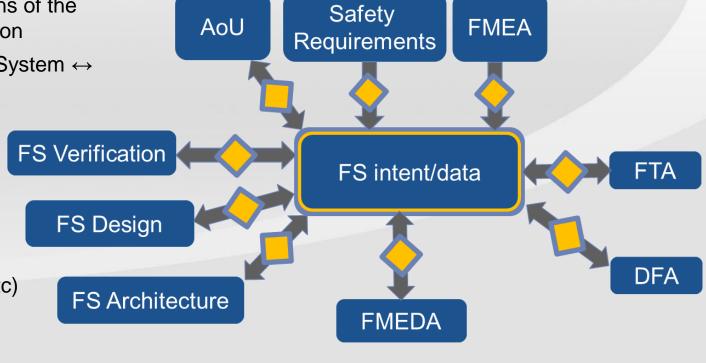
- Several gaps between safety lifecycle/best practices and the system/IC design world
- Need for formalization and categorization to enable automation, interoperability and traceability
- Enablement throughout different dimension of the FS scope





FS WG Scope: Enabling Interoperability and Traceability

- Standardized information to capture and propagate the FS intent
 - Inter-layer: through different safety analysis/operations of the same hierarchy level, e.g. FMEDA analysis, verification
 - Inter-layer: between layers of design hierarchy, e.g. System ↔
 Module ↔ IC ↔ IP
- FS-aware flow: bridge between the FS work products and the design and verification flow
- Enablement throughout
 - Different domains (Digital, Analog, Package, PCB, etc)
 - Industries (e.g. automotive, industrial)
 - Supply chain layers (IP, IC, system)
- Out of Scope
 - Changes to existing FS standards (e.g. ISO26262, IEC61508)







Industry Collaboration and More Information

- Strong participation and contribution from key industry leaders during and after the formation of the WG
- Urgent need from the community to define a much needed format
 - High energy team
 - Ambitious schedule
 - Welcome more participation
- More information from the <u>Press Release</u> and here:
 - Accellera Functional Safety Working Group
 - Alessandra Nardi, Chair (anardi@cadence.com)
 - Franck Galtié, Vice-Chair (franck.galtie@nxp.com)

