



INCOSE Michigan Chapter Meeting

December 12, 2018

6:30 – 8:30pm

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Abstract

Arcadia is an MBSE method dedicated to architectural design. It describes the reasoning to understand and capture the customer need, to define and share the architecture among all engineering stakeholders, and to strengthen transitions between engineering levels. Arcadia enforces an approach structured on different engineering perspectives establishing a clear separation between system context and need modeling and solution modeling.

While the Arcadia method itself is tool-agnostic, it requires a modeling workbench to be implemented efficiently. The Capella MBSE open source tool guides systems engineers in applying the Arcadia method and assists them in managing complexity of systems design with automated simplification mechanisms.

The original audience for the Arcadia/Capella solution is primarily systems engineers with diverse backgrounds and skills, and in particular those without strong software or modeling history. Strong choices have been made on the language to shorten the learning curve: while the Capella notation is inspired by SysML, it is simultaneously simplified, modified, and enriched.

About Our Speaker: Dr Stéphane Bonnet



Dr Stéphane Bonnet, Thales Corporate Engineering, is an MBSE Senior Coach. He is the design authority of Capella, an open source modeling workbench for systems, hardware and software architectural design. From 2006 to 2015, he has led the development of Capella and has been an active contributor to the Arcadia method. He now dedicates most of his time to training and coaching activities, both within and outside

Thales. He helps engineering managers and systems architects implement the MBSE cultural change, with a range of activities spanning from strategic engineering transformation planning to project-dedicated assistance to modeling objectives definition and monitoring. As sponsor of the Thales MBSE community, he animates and coordinates networks of experts from all business units to promote cross-fertilization, to capture operational needs, and to orient the method and workbench evolutions and roadmaps.

Engineering Society of Detroit

20700 Civic Center Drive
Conference Room A
Southfield, MI 48076

Tickets (Includes Networking Dinner)

Members - \$5

Student Members – Free

New Members: Free with [Registration](#)

Non-Members - \$10

Affiliates & CAB - \$7.50

Optionally, attend via GlobalMeet