Positioning the CAFCR Method in the World

by Gerrit Muller  Buskerud University College
e-mail: gaudisite@gmail.com
www.gaudisite.nl

Abstract
This chapter positions the CAFCR architecting methods relative to other methods. The other methods originate in software architecting, system architecting and system engineering, and more general systems science. Some background is given of the IEEE 1471 standard that has proven to be to be a useful fundament for the CAFCR method.
Positioning of “CAFCR”

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multi-disciplinary systems architecting methods

Systems engineering methods also addressing process and organization

Systems architecting methods

TRIZ

Altshuller

GST (General System Theory)

Hitchins

Heylighen

very generic methods

mono-disciplinary engineering methods

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Gerrit Muller

PARWmethods
Unique Contribution of this Thesis

- Integral and Multi-disciplinary
- Goal-Oriented
- Practical, based on Industrial Experience
- Flexible
- Builds on standards
- Support for short innovation cycles
IEEE 1471 model

System has Architecture

Described by Architecture Description

Consists of

Stakeholder has concern covers viewpoint

covers conforms to

view model

defines
Architecture description

Architecture

Subset of which architect is aware

Flattened into

Architecture description

Actually written by architect(s)