



**2022**  
Annual **INCOSE**  
international workshop  
**HYBRID EVENT**  
Torrance, CA, USA  
Jan 29 - Feb 1, 2022

# Decision Analysis

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[www.incose.org/IW2022](http://www.incose.org/IW2022)

# Decision Analysis



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## CHAIR

Frank Salvatore (frank.salvatore@saic.com)

## MEMBERS

140

## CO-CHAIR

Greg Parnell (gparnell@uark.edu)

## INCOSE CONNECT ADDRESS



<https://connect.incose.org/WorkingGroups/DecisionAnalysis>

## INCOSE WEB PAGE



<http://www.incose.org/ChaptersGroups/WorkingGroups/analytic/decision-analysis>

# Charter Summary



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## WG PURPOSE/MISSION

The purpose of the working group is to advance the state of the practices, education and theory of Decision Analysis and its relationship to other systems engineering disciplines.

## WG GOAL(S)

Expand and promote the body of knowledge of Decision Analysis and its benefits within the Systems Engineering community.

1. Encourage use of decision analysis techniques for trade-off analyses in MBSE tools.
2. Build membership

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## WG SCOPE

Activities cover current and future Decision Analysis, trade study, systems analysis and operations research practices.

## OUTCOMES (PRODUCTS/SERVICES)

- Working Group Charter (maintain)
- SE Handbook and SEBoK contribution (maintain)
- SE Certification Tutorial and Questions for the general and specialist exams in the area of Decision Analysis (maintain)
- Working group Connect website (maintain)
- Working group public website (maintain)
- DAWG promotional material
- Service supporting standards activities relevant to Decision Analysis
- Decision Analysis use case and data model for the Digital Engineering Information Exchange Digital View Model.
- Authored book "Creating and Evaluating the Tradespace"

# IW Outcomes



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## IW Outcomes

Held 2 workshops

Identified new products to work on

Gained about 20 new members

## PLANNED ACTIVITIES AFTER IW

1. Develop decision analysis activity model.
2. Develop decision analysis data model
3. Identify decision analysis tools for the tools database

## PLANNED WORK PRODUCTS AFTER IW

1. Decision Analysis activity model.
2. Decision Analysis data model
3. Updated tools database