

AstD WG Integration																		
AstD Transformational Enablers																		
Deputy AstD Tech Info																		
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Deputy AstD Tech Events																		
AstD Tech Events																		
Deputy AstD Tech Review																		
AstD Tech Review																		
Deputy AstD SDD																		

1.1. Complexity

1.2. Cybernetics (A.I., machine learning, etc.)

1.3. Natural Systems

1.4. Systems Dynamics

1.5. Systems Science

1.6. Systems Thinking

2.1. Business or Mission Analysis

2.2. Manufacturing Systems And Operational Aspects

2.3. Needs And Requirements Definition

2.4. System Architecture/Design Definition

2.5. System Integration

2.6. Verification/Validation

3.1. Acquisition and/or Supply

3.2. Configuration
Management

3.3. Decision Analysis and/or
Decision Management

3.4. Information Management
Process

3.5. Technical Leadership

3.6. Measurement & Metrics

3.7. Project Planning, Project
Assessment and/or Project
Control

3.8. Quality Management
Process

3.9. Risk & Opportunity
Management

4.1. Human-Systems
Integration

4.2. Life-Cycle Costing and/or
Economic Evaluation

4.3. Reliability, Availability,
and/or Maintainability

4.4. Resilience

4.5. Competency/Resource
Management

4.6. System Safety

4.7. System Security (cyber-
attack, anti-tamper, etc)

5.1. Agile Systems Engineering

Topics

5.2. Lean Systems Engineering

5.3. MBSE

5.4.

Modeling/Simulation/Analysis

5.5. Processes

5.6. Product Line Engineering

5.7. Software-Intensive
Systems

5.8. Systems of Systems (IoT,
cyber physical systems, etc.)

5.9. Teaching And Training

5.10. Diversity (Cultural
boundaries, diverse
engineering teams, training
underecruited groups, etc.)

6. Other SE Topic

1. Academia (curricula,
course life cycle, etc.)

2. Aerospace

3. Automotive

4. Biomed/Healthcare/Social
Services

5. City Planning (Smart Cities,
Urban Planning, etc)

6. Defense

7. Emergency Management
Systems

8. Energy (Renewable,
Nuclear, etc.)

9. Enterprise SE
(Organization, Policies,
Knowledge, etc.)

10. Environmental Systems

11. Information
Technology/Telecommunicatio
n

12. Infrastructure
(Construction, Maintenance,
etc.)

13. Maritime (Surface & Sub-
Surface)

14. Autonomous Systems

15. Oil & Gas

16. Rail

17. Sustainment (Legacy
Systems, Re-Engineering, etc.)

18. Service Systems

19. Very Small Enterprises

20. Other Domain

Application Domains