

Tami Katz, PhD
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ACADEMIC INSTRUCTION

Adjunct professor, System Requirements, Verification and Validation Fundamentals, CU Boulder, Spring 2024

Adjunct professor, Digital Engineering/MBSE/Requirements, CU Boulder, Fall 2023

Guest professor, Requirements Engineering, Colorado State University, Fall 2021

PROFESSIONAL EXPERIENCE

Ball Aerospace/BAE Systems: May 2020- present

Sierra Nevada Corporation: Jan. 2013-May 2020

Ball Aerospace: Dec. 2003 – Dec. 2012

Hughes Aircraft/Boeing Space and Communications: June 1990 – July 2002

INDUSTRY ASSOCIATIONS

International Council on Systems Engineering (INCOSE) Expert Systems Engineering Professional (ESEP) #05325

INCOSE Deputy Director Technical Operations

Co-Chair of the INCOSE Requirement Working Group

PUBLICATIONS

Developing Effective Space Systems with Earlier Integration, Verification, and Validation, 2023, Proceedings of INCOSE IS 2023

INCOSE Needs and Requirements Manual, 2022, INCOSE Publication (co-authored)

INCOSE Guide to Needs and Requirements, 2022, INCOSE Publication (co-authored)

Cost Optimization in Requirements Management for Space Systems, PhD Dissertation Colorado State University, May 2021

Evaluation of Requirements Management Processes Utilizing System Modeling Language (SysML) Executable Models, 2021, Proceedings of INCOSE IS 2021.

When to Constrain the Design? Application of Design Standards on a New Development Program, 2020, Proceedings of INCOSE IS 2020.

Evaluation of COTS Hardware Assemblies for use in Risk Averse, Cost Constrained Space-based Systems, 2019, Proceedings of INCOSE IS 2019.

EDUCATION

Ph. D. in Systems Engineering, *Colorado State University*.

Graduate Certificate in Systems Engineering Practice, *Colorado State University*

MS Aerospace Engineering, *University of Southern California*

BS Aerospace Engineering, *California State Polytechnic University at Pomona*