

## Artificial Intelligence and Decision Support for Complex Systems

PI Name	Proposal Title	Institution	City	State	Zip Code
Frank Liu	Decision and Control of Complex Systems: a Data-Driven Framework	Oak Ridge National Laboratory	Oak Ridge	TN	37831-6118
Mahantesh Halappanavar	Decision and Control of Complex Systems: a Data-Driven Framework	Pacific Northwest National Laboratory	Richland	WA	99352-1793
Yu (Kevin) Cao	Decision and Control of Complex Systems: a Data-Driven Framework	Arizona State University	Tempe	AZ	85287-6011
Peng Li	Decision and Control of Complex Systems: a Data-Driven Framework	University of California, Santa Barbara	Santa Barbara	CA	93106-2050
Adrian Sandu	Fast outer loop solution algorithms based on a coherent coupling of physical and machine learning models	Virginia Tech	Blacksburg	VA	24061-0001
Thomas Catanach	Goal-oriented Bayesian Machine Learning for Closed-Loop Systems	Sandia National Laboratories	Livermore	CA	94551-0969
Xun (Ryan) Huan	Goal-oriented Bayesian Machine Learning for Closed-Loop Systems	University of Michigan	Ann Arbor	MI	48109-1274
Xun (Ryan) Huan	Practical and Optimal Sequential Bayesian Experimental Design for Complex Systems Incorporating Human Experimenter Preferences	University of Michigan	Ann Arbor	MI	48109-1274
Zheng Zhang	Quantum-Inspired Bayesian Sampling for Uncertainty Quantification and Machine Learning	University of California, Santa Barbara	Santa Barbara	CA	93106-2050
Karen Wilcox	RISE of the Machines: Robust, Interpretable, Scalable, Efficient Decision Support	University of Texas at Austin	Austin	TX	78759-5316
Bart van Bloemen Waanders	RISE of the Machines: Robust, Interpretable, Scalable, Efficient Decision Support	Sandia National Laboratories	Albuquerque	NM	87185-0100