Smart Environments Research Center

Core Faculty Meeting

January 28, 2016

Agenda

11:00   Welcome message (Shirin Shahsavand, SERC Manager)

11:05   Introducing SERC, its missions and visions (Larry Holder, SERC Director)

11:20   Marketing strategies to deliver more benefits to you (Shirin)

11:35   ESIC success story (Jody Opheim, ESIC Center Manager)

11:50   Q & A

12:00   Lunch

Washington State University

Making the environments in which we live and work safer, healthier and more productive through advanced data analytics and adaptive systems.
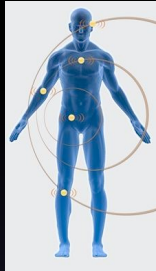
SERC
SMART
ENVIRONMENTS
RESEARCH
CENTER

Introduction

Mission

Making the environments in which we live and work safer, healthier and more productive through advanced data analytics and adaptive systems.

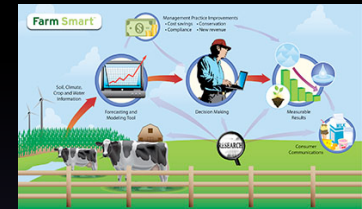Official WSU Research Center, approved Feb 2014.

Smart Environment

Act

Sense

Analyze

Smart Body

Smart Farm

Smart Home

Smart Building

Smart City

Why a Center?

- Provide a focal point for smart environments related research at WSU

- Accelerate growth and collaboration
  - WSU, other institutions, industry, government

- Further establish WSU as a leader in this area

- Compete for center-level funding

Vision

Become a globally recognized leader in the study of data analytics and adaptive systems for smart environments.

Core Faculty

Larry Holder, Professor and Center Director
holder@wsu.edu
Research Areas: AI, Machine Learning, Data Mining, Network Mining, Bioinformatics, Security

Diane Cook, Professor
cook@eecs.wsu.edu
Research Areas: AI, Machine Learning, Data Mining, Activity Recognition, and Prediction

Janardhan (Jana) Doppa, Assistant Professor
jana@eecs.wsu.edu
Research Areas: AI, Machine Learning, Data-Driven Science, Assistive Technologies for Smart Environments, Graph Mining, Bioinformatics, and Health-Informatics

Hassan Ghasemzadeh, Assistant Professor
hassan@eecs.wsu.edu
Research Areas: Embedded and Cyber Physical Systems, Pervasive Computing, Algorithm Design, Wearable Systems, System-Level Design and Optimization, and Smart Health

Ananth Kalyanaraman, Associate Professor
ananth@eecs.wsu.edu
Research Areas: Bioinformatics/Computational Biology, High-Performance Computing, Data Science, and Graph and String Algorithms

Subhanshu Gupta, Assistant Professor
sgupta@eecs.wsu.edu
Research Areas: Broadband Communications, Adaptive Sampling Techniques, Radio Frequency Transceivers, Low Power Flexible Integrated BioSensors

Matthew Taylor, Assistant Professor
Allred Distinguished Professorship in Artificial Intelligence
taylorm@eecs.wsu.edu
Research Areas: Intelligent Agents, Multiagent Systems, Reinforcement Learning, Transfer Learning, and Robotics

Shuiwang Ji, Associate Professor
sji@eecs.wsu.edu
Research Areas: Machine Learning, Data Mining, Computational Biology, and Computational Neuroscience

Maureen Schmitter-Edgecombe, Professor
schmittere@wsu.edu
Research Areas: Clinical and Cognitive Neuropsychology, Everyday Functioning, Memory and Executive Abilities, Rehabilitation, Smart and Assistive Technologies, and Aging and Cognitively Impaired Populations

Behrooz Shirazi, Professor and School Director
School of EECS, WSU
Research Areas: Sustainable Computing, Pervasive Computing, Wireless Sensor Networks

24 affiliated faculty, 4 colleges, 2 campuses

Washington State University

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Marketing Strategies

ESIC Success Story

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Q & A

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Thank you!

For more information

serc.wsu.edu