Welcome to SwRI and the ROS-Industrial Consortium Annual Meeting

2024 Annual Meeting

Southwest Research Institute

SOUTHWEST RESEARCH INSTITUTE

About SwRI:

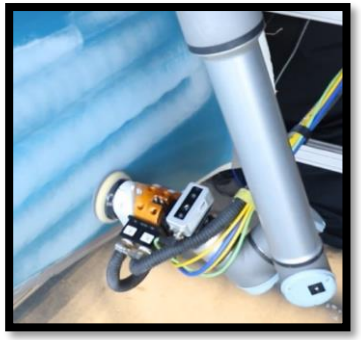
- Est. 1947
- Texas Headquarters
- Independent, Not-for-profit
- Applied RDT&E Services
- Physical Science and Engineering
- Approximately 3,000 staff

Robotics @ SwRI

Robotics Expertise

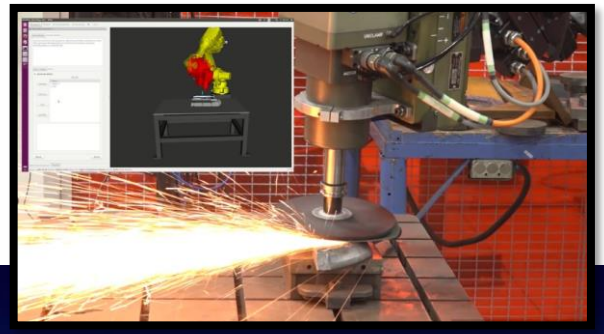
- Advanced software
- Sensing & Perception
- Autonomy
- Mobility
- Navigation
- Safety
- Learning
- Collaboration
- Security
- Path Planning
- Calibration
- AI and Machine Learning
- System Development
- Customization
- and more…











Robotics Domains

- Manufacturing
- Industrial
- Agriculture
- Inspection
- Mobile Manipulation
- Unmanned Aerial
- Automated Driving
- Autonomous Underwater
- Warehousing & Logistics
- and more…

ROS-Industrial Conceived

SOUTHWEST RESEARCH INSTITUTE®

INTERNAL MEMORANDUM

April 6, 2011

TO: Shaun Edwards, Clay Flannigan (10)

FROM: Walt Downing, Administrator
Advisory Committee for Research

SUBJECT: Staff Renewal Proposal 10-61616, "A Senior Staff Renewal IR&D Project at Willow Garage"

I am pleased to inform you that your internal research proposal has been approved effective May 16, 2011.

A Proposal for

A Senior Staff Renewal IR&D Project at Willow Garage

Southwest Research Institute® (SwRI®)

Proposal No. 10-61616

Prepared for:

Advisory Committee for Research
Southwest Research Institute
San Antonio, TX 78238

Prepared by:

Shaun Edwards
Clay Flannigan
March 2, 2011

Approved:

Susan B. Crumrine
Vice President
Automation and Data Systems Division

ROS-I Repository Established

SwRI ESTABLISHES ROS-INDUSTRIAL SOFTWARE REPOSITORY

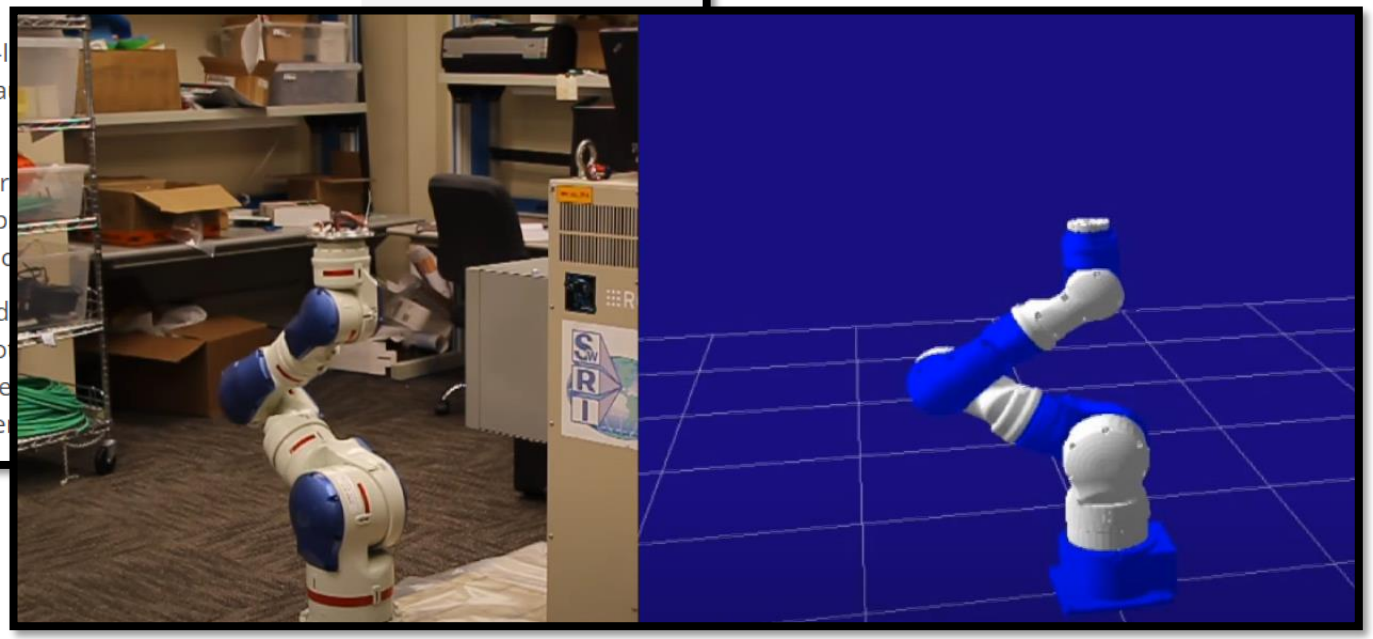
Home ›› Newsroom ›› Press Releases ›› SwRI establishes ROS-Industrial Software Repository

For immediate release

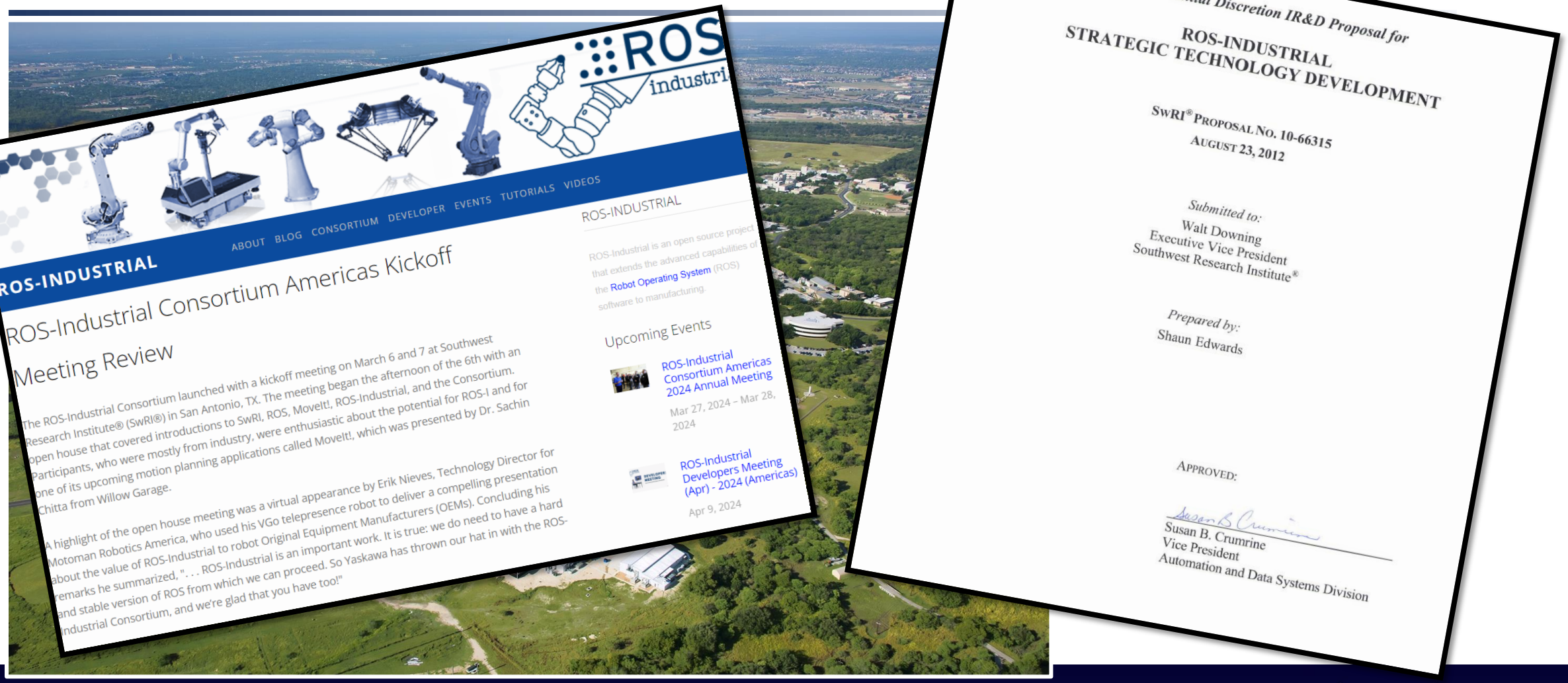
San Antonio — January 19, 2012 — Southwest Research Institute recently established the ROS-I
Repository, a BSD-licensed ROS stack that will contain libraries, tools and drivers for industrial a
ROS-Industrial resources can be found at http://code.google.com/p/swri-ros-pkg/.

ROS (Robot Operating System) is an open-source project providing a common framework of libr
range of applications, including service and research robotics. The goal of ROS-Industrial is to p
leverage the ROS framework to enable cutting-edge research in industrial applications, using a c

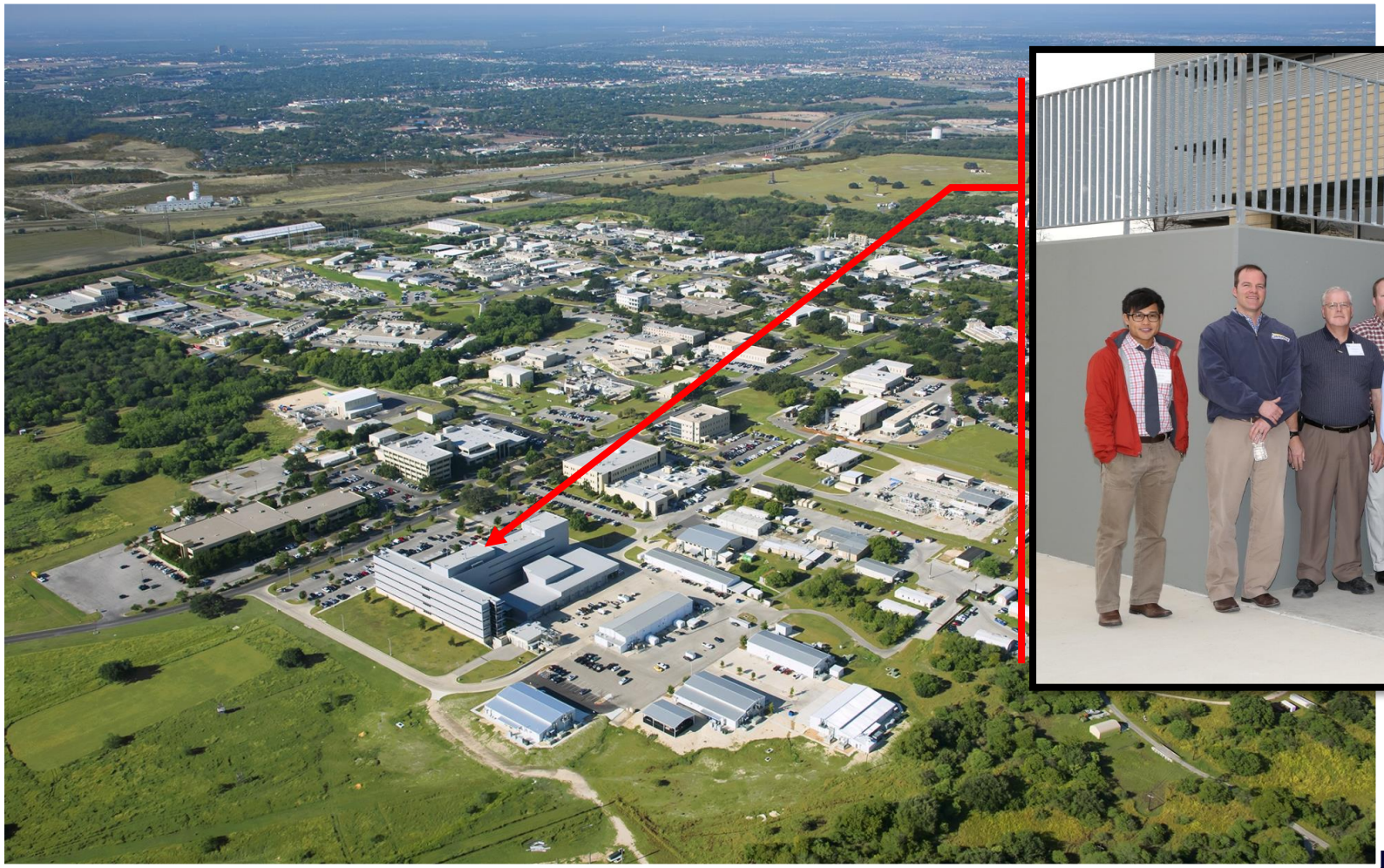
Working with Motoman Robotics (a division of Yaskawa America Inc.) and Willow Garage, SwRI d
and released the first application for ROS-Industrial – a preliminary interface that provides robo
collision-free path planning for the Motoman SIA10D robot arm using the DX100 robot controlle
with actual hardware as well as a simulated robot in "rviz," the ROS 3-D visualization environme



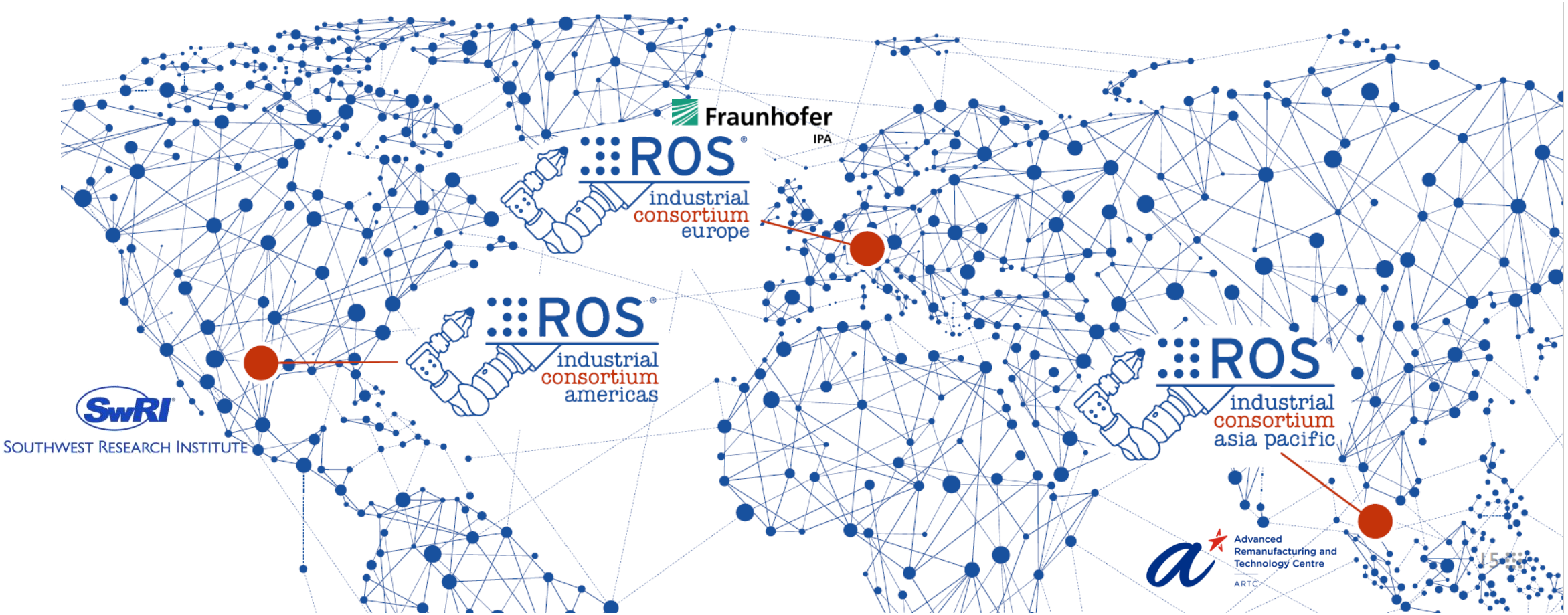
SwRI Investment in ROS-I



First ROS-I Consortium Meeting in March 2013



Collaboration for Global Engagement



10 Years of Industry Guidance

Spring 2014

Fast Forward

Spring 2024

Welcome and Thank You!

ROS-Industrial is supported by you, a vibrant community of developers, researchers, and industry partners.

Collaboration within this community helps to drive innovation, share best practices, and contribute to the development of new features and capabilities.

Thank You

- Paul Evans
  Director – R&D
  Southwest Research Institute
  Paul.Evans@SwRI.org
  1.210.286.1153