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ROBOTICS™

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CRUISE

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GaiTech International

DOF **hiDOF**

McCormick
Northwestern Engineering
**Master of Science
in Robotics**

Robotnik

SCHUNK
Clamping Technology
Gripping Systems

Shadow
Robot Company

SwRI®

TOYOTA

YASKAWA
MOTOMAN ROBOTICS

BLUE RIVER
TECHNOLOGY

Organizing committee
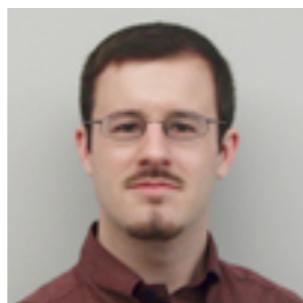
Tully Foote   Ryan Gariepy   Brian Gerkey   Jarvis Schultz
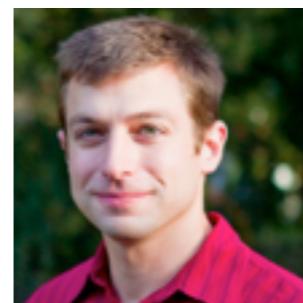
Program committee

- Michael Ferguson
- Sarah Osentoski
- Mike Purvis

- Chad Rockey
- Ioan Sucan
- Alex Teichman

Today

Time	Presenter	Title
0900		Opening remarks
0915	Adolfo Rodríguez Tsouroukdissian	ros_control: An overview
1000	Alexander Bubeck	Development of dual arm mobile manipulation systems for small part assembly tasks
1045		Coffee break
1115	Steve Peters	Comparison of rigid body dynamic simulators for robotic simulation in Gazebo
1140	Dirk Thomas, William Woodall, Esteve Fernandez	Next-generation ROS: Building on DDS
1205	Lorenz Halt (presented by Alex Bubeck)	EuRoC – The European Robotic Challenges
1230		Lunch

| Time	Presenter	Title
1400	Austin Hendrix	The current state of ROS and Ubuntu on ARM
1425	Mike Purvis	Serious rosserial
1450	Mike Ferguson	Continuous integration for ROS in commercial environments
1515	Dirk Thomas, William Woodall, Esteve Fernandez	ROS 2.0: Developer preview
1600		Coffee break
1630	Sascha Schade	How ROS works together with the mining industry in i2Mine project
1655	Kat Scott	Practical experiences using ROS to build a three axis pick and place assembly robot
1720	Everyone	Lightning talks
1755	Everyone	Birds of a feather
1830	Everyone	Reception
2000		Fin

http://roscon.ros.org/2014/program/

Tomorrow

Time	Presenter	Title
0900	Allison Thackston	ROS in space
0945	William Curran	The ROS ecosystem: Impact, insights, and improvements
1010	Enrico Hoffman	Control and perception architecture for the tele-operation of the humanoid robot COMAN
1035		Coffee Break
1105	David V. Lu!!	Navigation illumination: Shedding light on the ROS navstack
1150	Andrew Symington	Cognitive Robotics Architecture for Tightly-coupled Experiments and Simulation (CRATES)
1215	Chris Lewis	ROS-Industrial calibration
1240		Lunch

Time	Presenter	Title
1410	Everyone	Lightning talks
1445	Everyone	Birds of a feather
1525		Coffee break
1555	Ren Sang Nah	ROS support from MATLAB
1640	Daniel Lazewatsky	Rapid prototyping with rosh
1705		Closing remarks
1715		Fin

http://roscon.ros.org/2014/program/

Exhibition rooms

We are here

WRIGLEY PARLOR

WATER TOWER PARLOR

SPIRE PARLOR

MILLENNIUM PARLOR

OFFFICE

ADAMS ROOM

MONROE ROOM

GRANT PARK PARLOR

HANCOCK PARLOR

MEDINAH PARLOR

UP DN

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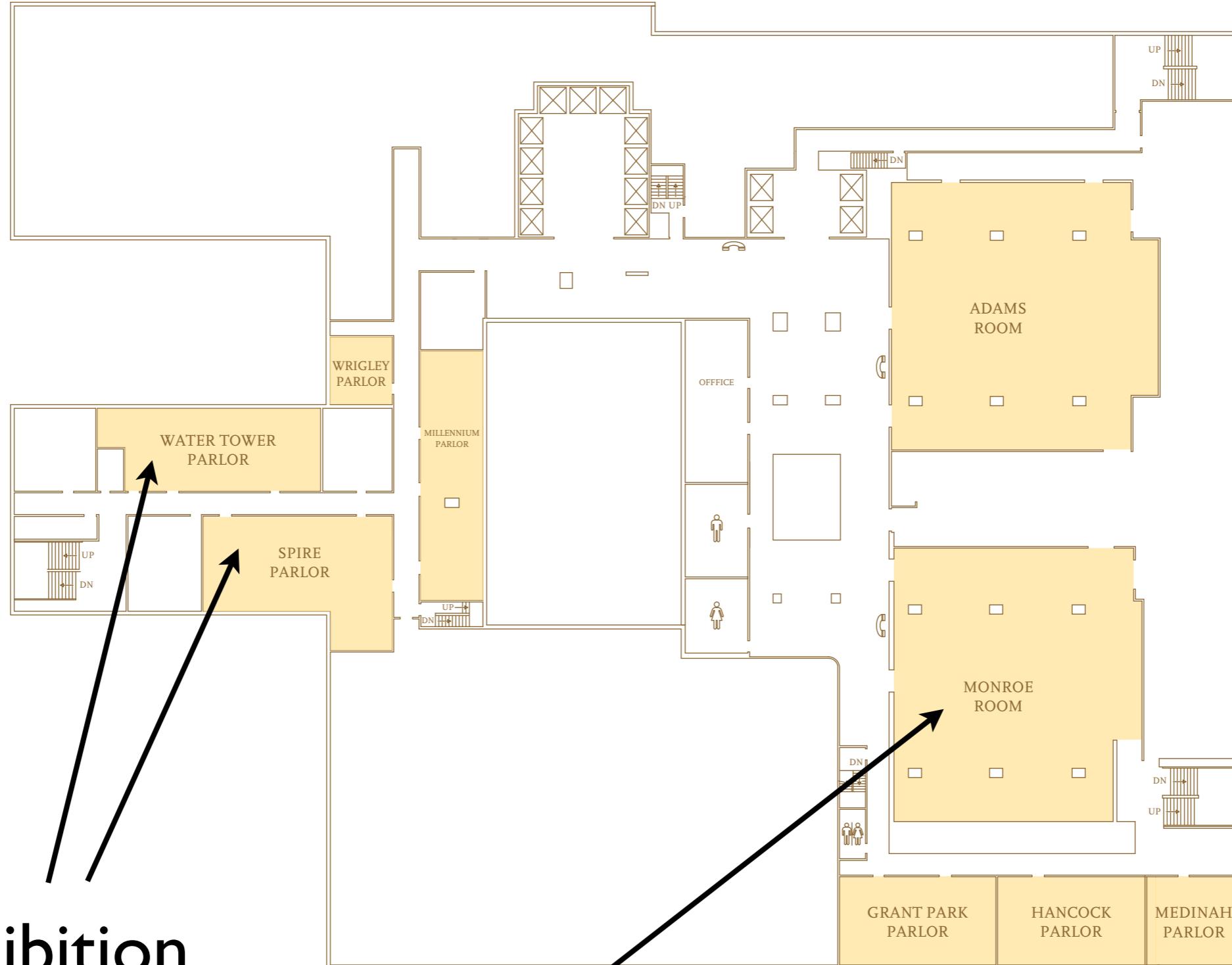
Session 1: 5.20pm today
Session 2: 2.10pm tomorrow

Sign up by giving your name
and/or slides to:

Signup deadline: end of the previous break / lunch

Session 1: 5.55pm today
Session 2: 2.45pm tomorrow

Sign up by proposing and/or voting on a topic, by the registration desk

Signup deadline: end of the previous break / lunch

Attendees by affiliation type

44% Industry
36% Academia
18% Other
2% Lab
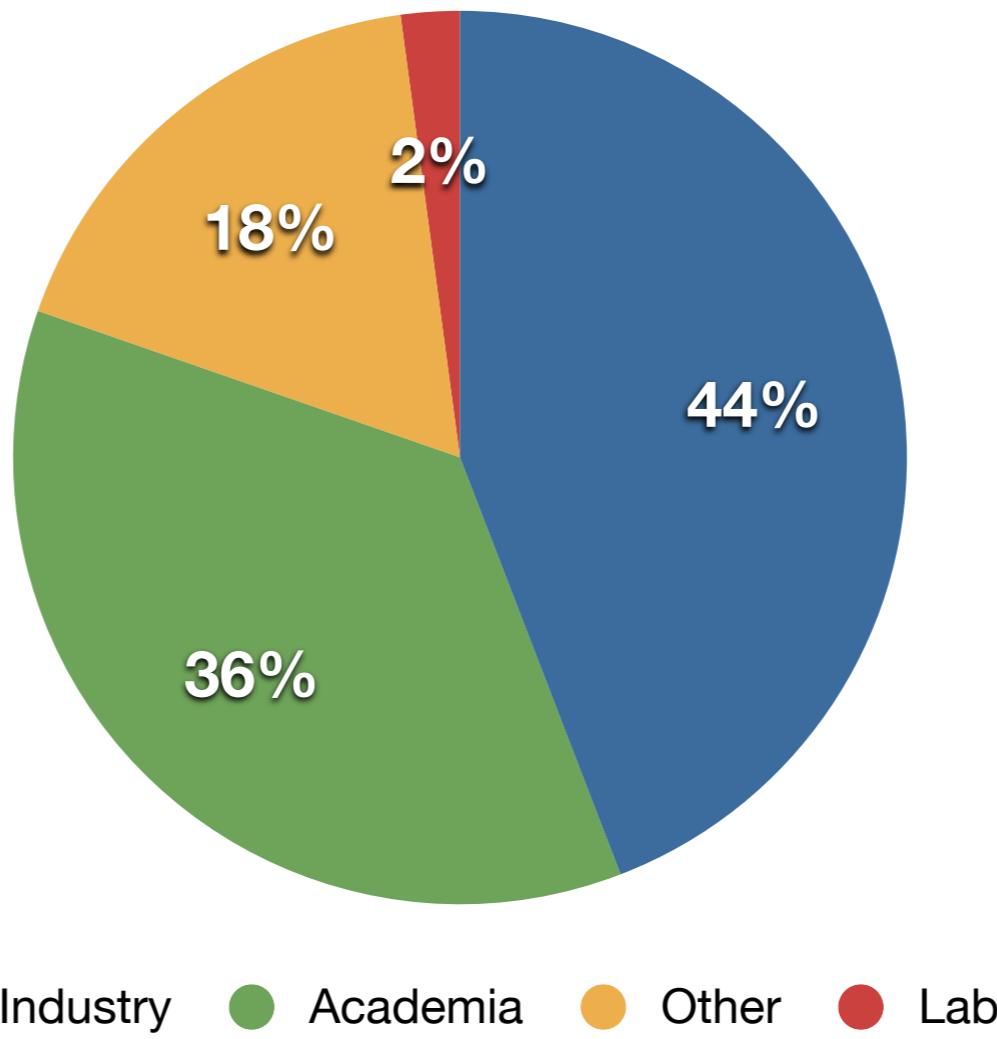
Total: 195

What's new since last time?

Metrics
(from July 2014, not counting mirrors)

ROS.org
Documentation

Page views: 976,031
+48% over last year

ROS ANSWERS

Page views: 291,849
+32%

Unique IPs downloading: 49,153
+343%

http://packages.ros.org

Total downloads: 3,570,374
+123%

http://wiki.ros.org/Metrics

Who's hiring in academia?

Northeastern University

INSTITUTE OF SYSTEMS AND ROBOTICS
UNIVERSITY OF COIMBRA

RICE

UtahStateUniversity
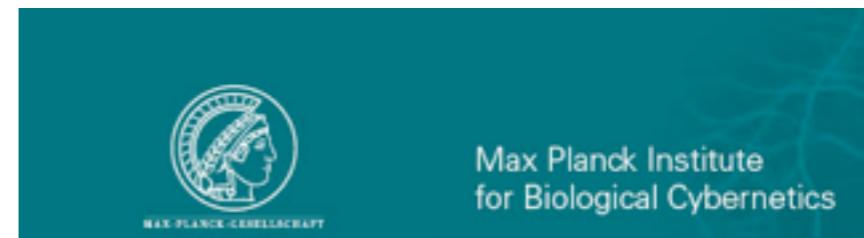
Max Planck Institute
for Biological Cybernetics

UNIVERSITY OF
LINCOLN

CLEMSON
UNIVERSITY

UMASS
LOWELL

WPI

ISIR
INSTITUT
DES SYSTÈMES
INTELLIGENTS
ET DE ROBOTIQUE

iit
ISTITUTO ITALIANO
DI TECNOLOGIA

KTH
VETENSKAP
OCH KONST

Stanford
Artificial Intelligence Labratory

NORTHWESTERN
UNIVERSITY

Inría
INVENTORS FOR THE DIGITAL WORLD

Carnegie Mellon
THE ROBOTICS INSTITUTE

University of
Zurich UZH

Penn
UNIVERSITY of PENNSYLVANIA

UTIAS

TU
Graz

NANYANG
TECHNOLOGICAL
UNIVERSITY

Who's hiring in industry?

HRL — HRL LABORATORIES, LLC

Children's National — SHEIKH ZAYED INSTITUTE for Pediatric Surgical Innovation

GE Global Research

SRI International

Shadow Robot Company

VECNA

RIC — Rehabilitation Institute of Chicago

net>SCALE Technologies, Inc.

KIVA Systems

Hstar Technologies — interactive robotics + medical systems

CRUISE

QUANERGY

ARL

BOSCH — Invented for life

ATR — Advanced Telecommunications Research Institute International

BOT & DOLLY

PAL ROBOTICS

YUJIN ROBOT

TRAC Labs

Institute for Infocomm Research — A*STAR

Open Source Robotics Foundation

HRI — Honda Research Institute

savioke

Google

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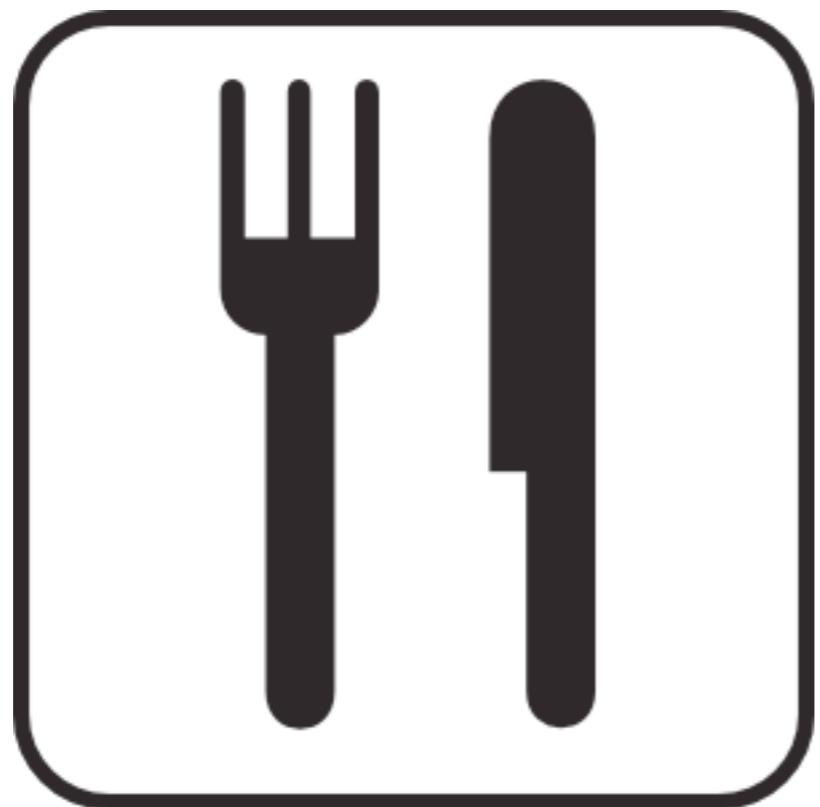
AM & PM breaks
DIY lunches

Reception
6.30pm today

SSID: PH_Meeting_Room
Username: ROSCON2014
Password: ROSCON2014