

ARSO 2014



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Workshop Digest

IEEE International Workshop on Advance Robotics and its Social Impacts

September 11-13, 2014, Evanston, IL

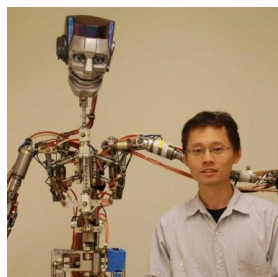
Welcome Message

The Organizing Committee and Steering Committee would like to welcome you to Evanston and the 2014 IEEE Workshop on Advanced Robotics and its Social Impacts. IEEE ARSO is in its ninth year, having originated in Nagoya during the Aichi EXPO 2005 in anticipation of the rapid growth of service robots.

ARSO 2104 is being held in conjunction with IMTS2014 (International Manufacturing Technology Show 2014) and IROS2014 (IEEE/RSJ International Conference on Intelligent Robots and Systems), both of which are taking place in nearby Chicago. Therefore, our focus this year is on cutting-edge robotics technologies, business opportunities, and other impacts on human society. Our topics range from psychological and philosophical aspects of robots to applications of robotics in rehabilitation, entertainment, mobility, and collaboration.

This year, we are featuring invited sessions on Rehabilitation Robotics and Robotics and Law. In addition, we are honored to have three distinguished plenary talks by Professor Naomi Miyake, the University of Tokyo; Professor Siddhartha Srinivasan, Carnegie Mellon University; and Professor Michael Goldfarb, Vanderbilt University. We would like to express our gratitude to all those people who have worked for the preparation and the success of this conference, including all the contributors, the reviewers, the program and steering committees and all the members of the organizing committee. We hope you enjoy ARSO 2014 and your visit to Evanston, IL.

Sincerely,



Katsu Yamane

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IEEE ARSO 2014
Disney Research, Pittsburgh



Jodi Forlizzi

Program Chair
IEEE ARSO 2014
Carnegie Mellon University

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Venue

Conference Site

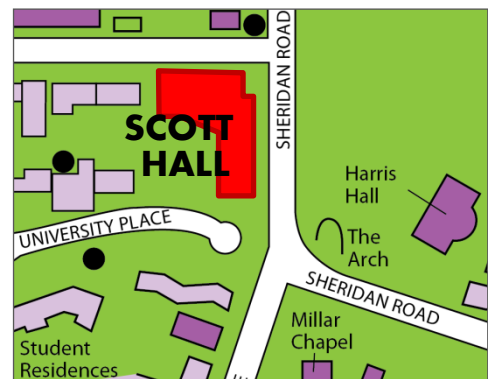
Scott Hall
Northwestern University
601 University Place
Evanston, IL 60208, USA

Instructions

- Enter Scott Hall through the doors at the south end of the building.
- Walk up the half flight of stairs
- Enter the Guild Lounge located at the top.



SCOTT HALL
601 University Place



WiFi

Wireless internet access will be available during the workshop.

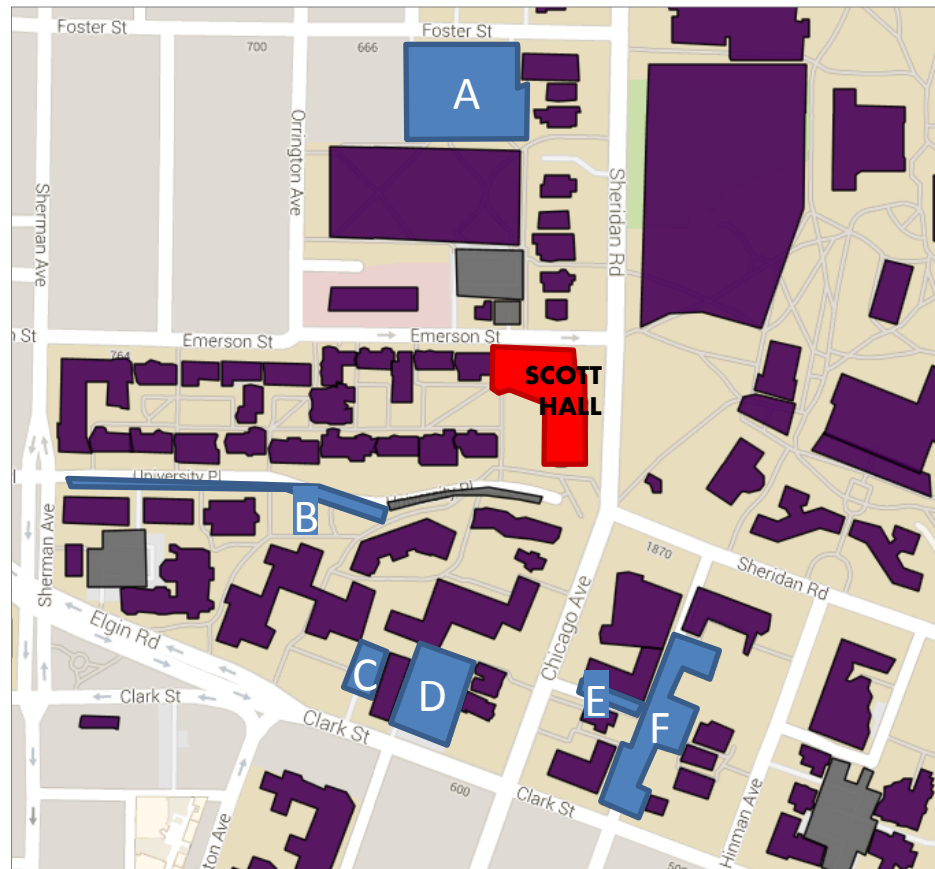
Public Parking

A city garage is located at Clark St and Chicago Ave, south of Scott Hall. Hourly rate is \$1.00 (first hour is free), payable upon exiting the lot.

On-Campus Parking

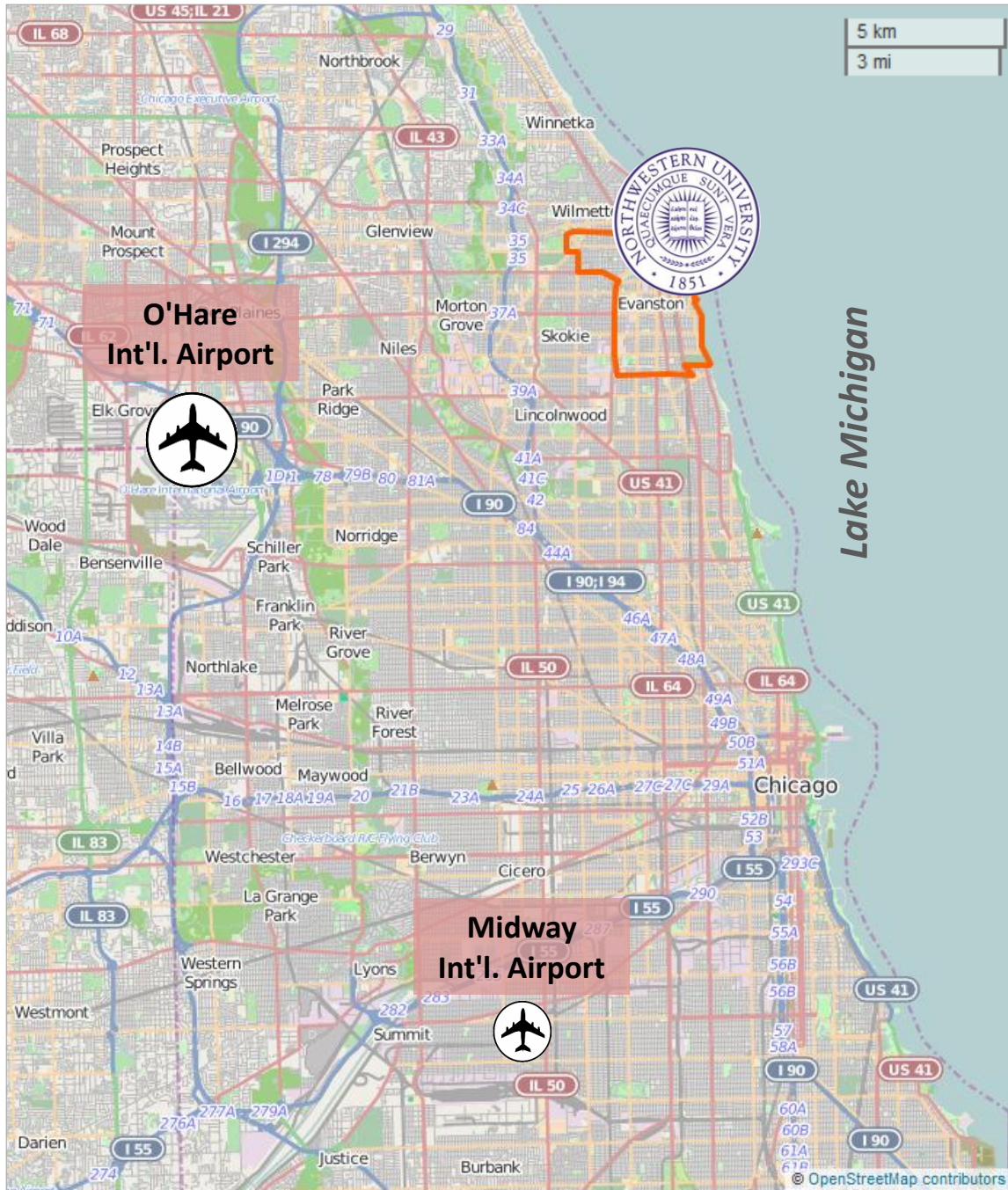
If you have purchased a visitor parking permit with the workshop registration, the permit will be included in the workshop packet. The following lots are available for visitors:

- A. Foster-Walker North Lot (650 Foster St)
- B. 700 University Pl
- C. Crown Center Meter Lot (Clark St & Orrington Ave)
- D. 619 Clark St Lot
- E. Parkes Hall Lot (1950 Chicago Ave)
- F. 555 Clark St Parking
(515 Clark St, 1810/1818 Hinman Ave)



Transportation

Chicago – Evanston area map



From O'Hare International Airport to the University Campus



By Car (Estimated Time: 35 minutes)

1. The main airport exit will become **I-190 East**. Continue on **I-190** for 1.5 miles.
2. Take the **1C** exit to merge onto **I-294 North** toward **Rockford/Milwaukee/I-90/Tollway**. You will pay a toll.
3. Continue on **I-294** for 4 miles.
4. Exit onto **East Dempster Street/US-14**.
5. Continue on **Dempster Street** for 10 miles.
6. Turn **left** at **Chicago Avenue**.
7. Continue on **Chicago Avenue** for less than a mile. Main campus is at **Chicago Avenue** and **Sheridan Road**.
8. Reach Scott Hall at the corner of **Sheridan Rd** and **Emerson St**.



By Train (Estimated Time: 2 hours, Cost: \$2.25)

1. Take the CTA Blue Line (Loop) train from O'Hare to the Washington stop in Chicago's Loop.
2. Exit the train and walk through the pedestrian tunnel to the Red Line (Howard) train's Washington stop.
3. Take the Red Line (Howard) train north to the Howard stop.
4. Exit the train and transfer to the Purple Line (Linden) train.
5. Take the Purple Line train north to the Foster stop in Evanston.
6. Walk east on Foster about two blocks until you arrive at Sheridan Road.
7. Turn right to reach Scott Hall at the corner of Sheridan Rd and Emerson St

CTA website: www.transitchicago.com

From Midway International Airport to the University Campus



By Car (Estimated Time: 50 minutes)

1. Head **north** on **Cicero Avenue** for three-and-a-half miles.
2. Turn **right** on the **Stevenson Expressway/I-55** ramp to Chicago. Continue on **I-55 North** for seven miles.
3. Take the **Lake Shore Drive North/US-41** exit. Continue **north** on **Lake Shore Drive** for 10 miles.
4. Turn **right** at **Sheridan Road**. Continue on **Sheridan Road** for two miles.
5. **Sheridan Road** will become **South Boulevard**.
6. Turn **right** at **Chicago Avenue**. Continue on **Chicago Avenue** for one-and-a-half miles. Main campus is at **Chicago Avenue** and **Sheridan Road**.



By Train (Estimated Time: 1 hour 35 minutes, Cost: \$2.25)

1. Take the Orange Line heading towards The Loop. Exit at the Roosevelt stop.
2. Transfer to the Red Line heading towards Howard. Exit at the Howard stop.

3. Transfer to the Purple Line heading towards Linden. Exit at the Foster stop.
4. Walk East on Foster Street towards Sherman Avenue. Turn right onto Sheridan Rd.

CTA website: www.transitchicago.com



Taxi Services

Several Taxi Services offer flat rates to Evanston.

Norshore Cab: <http://www.norshorecab.com>

American Taxi: <http://www.americantaxi.com> (online order available)

From O'Hare International Airport

Estimated time: 35 minutes.

Estimated Cost: \$35

From Midway International Airport

Estimated time: 25 minutes.

Estimated Cost: \$55

Banquet

Date & Time: Friday, September 12, Start at 7:00pm.

Place: The Stained Glass, 1735 Benson Avenue, Evanston

Entry Fee: Included in the conference registration fee (Additional fee needed for any accompanied person)

