



## MICCAI 2014: Cambridge, MA, USA

Polina Golland and Nobuhiko Hata

Massachusetts Institute of Technology, Harvard Medical School  
polina@csail.mit.edu, hata@bwh.harvard.edu

### 1 Intellectual and Social Themes

Our vision for MICCAI 2014 includes two independent themes that reflect the strength of engineering and medicine in the Boston area. First, we intend to bring more clinical presence to the meeting. Boston is a particularly easy city to implement this theme. Harvard Medical School and its affiliated hospitals (Brigham and Women's, Mass General, Beth Israel Deaconess, to name a few) host a vibrant research and clinical community. We will recruit local key note speakers who utilize medical imaging for surgical planning and navigation. We plan to organize tours of different clinical and interventional labs (for example, the new interventional suite at the Brigham and Women's Hospital) for interested attendees. We are also considering organizing a broadcast of a surgical case that involves imaging and robotics, as part of the tutorials.

Our second goal is to connect MICCAI students with the graduate students at MIT. MIT has a long tradition of engineering excellence, and we believe MICCAI students will enjoy learning about its culture and meeting members of the MIT community. Our plans include campus and lab tours. We will also raise funding to organize a student night out, led by MIT students and open to all students who attend MICCAI.

Boston boasts an active research community in medical image analysis and image-guided intervention. Typically, about 30 researchers from Boston attend MICCAI. We expect the attendance by local members of the community to be much higher when the meeting is local. We also expect to get support of different groups in Boston when organizing the meeting.

### 2 Organization

Polina Golland will serve as a general chair. Both Polina Golland and Nobuhiko Hata will serve as program chairs. We also recruited Robert Howe (Harvard University, USA) and Christian Barillot (IRISA CNRS/INRIA, France) to work with us on the meeting program. We will decide on the specific roles as we move forward. They will either join us as program chairs or will oversee workshops and tutorials. We plan to recruit several local colleagues from the Boston MICCAI community to help with the technical aspects of the meeting. Our students and postdocs will contribute to implementation of the meeting.

**Polina Golland (MIC)** is an associate professor of electrical engineering and computer science at MIT. She is a member of the MICCAI Board of Directors. Since her first MICCAI paper in 1998, Polina has published 22 papers in MICCAI and 10 papers in the associated workshops. She has served as an area chair since 2005 and as a workshops co-chair in 2010. Polina has attended ten MICCAI meetings. She knows MICCAI culture well and is enthusiastic to contribute by hosting the conference on MIT campus.

**Nobuhiko Hata (CAI)** is an associate professor of radiology at Brigham and Women's Hospital and Harvard Medical School. His contributions to MICCAI community date back to VBC and MRCAS in 1994, when he published his first international papers as a graduate student. Noby has published 23 papers in MICCAI since then. Noby's experience as the local organizing chair of MICCAI 2002 in Tokyo, as a member of the meeting's executive committee in 2003 and as a general co-chair in 2006 will be invaluable in organizing MICCAI 2014. He has organized workshops and served as workshop or tutorial chair at MICCAI since 2006. Noby is particularly committed to expanding areas of CAI research at MICCAI, and to increasing intellectual links between MIC and CAI.

### 3 Technical Program

Following a long tradition of MICCAI, we plan to form a Program Committee of 20-30 area chairs whose expertise span the research topics of MICCAI. We will hold a Program Committee meeting, most likely at MIT, to make the final decisions.

We strongly believe that getting a good match between reviewers and papers is the most important aspect of the review process. We will use winning strategies from the previous meetings to ensure the success of this process. This includes carefully selecting reviewers (by getting names from area chairs), improving keywords and making sure they provide sufficient granularity, and asking authors to select area chairs who best represent the topic of the paper. In addition, we are planning to use the area chairs as reviewers at the more advanced stages of the decision process. The Program Committee is probably the most capable reviewing body, and we would like to utilize their expertise to the fullest.

### 4 Local Arrangements

We plan to host the meeting on MIT campus, which offers excellent conference facilities, nearby hotels and proximity to academic labs and students. Boston and New England are prime tourist destinations, which will help us to host a well attended meeting.

#### 4.1 Location and Date

The oral presentations will take place in the Kresge Auditorium (capacity of 1,200). The poster sessions will be held in the nearby Student Center. The Student Center also has about 8 conference rooms of variable sizes (from 20 to 100 people) for workshops and tutorials, and a multi-level lounge area. Similar to MICCAI



2009, we are considering using a large tent on the lawn between the Kresge Auditorium and the Student Center for lunches and possibly poster sessions.

We are considering several different sites for the banquet, including the Museum of Science, the Boston Aquarium, and the JFK Library. All offer great catering options and educational entertainment. We will provide transportation to the site of the banquet, as well as an option for people to go earlier and enjoy the exhibits for an hour or so before the start of the banquet.

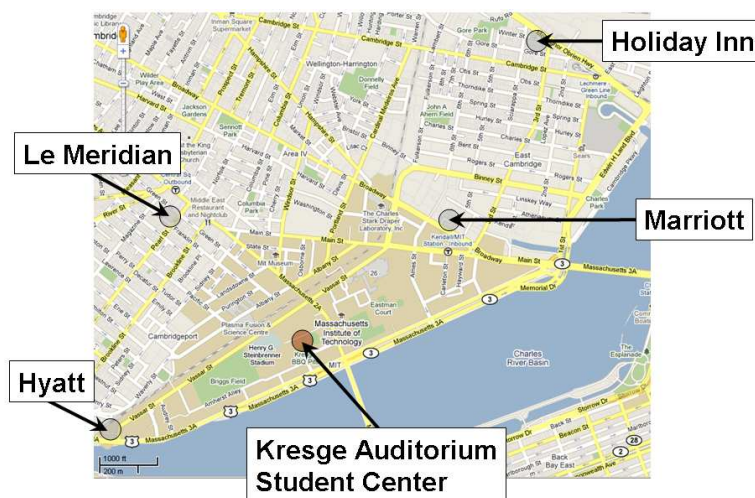
We reserved the Kresge Auditorium and the Student Center rooms for the main conference on Sep 15-17 (Mon-Wed), with workshops and tutorials on Sep 14 (Sun) and Sep 18 (Thur). We made sure these dates do not conflict with major religious holidays.

## 4.2 Lodging

There are three major chain hotels within 1 mile (1.6km) of the conference site (Hyatt, Marriott and Le Meridien). The current negotiated rates at these hotels are \$200-\$250/night for a double room. In addition, we will reserve rooms in a Holiday Inn (\$150/night for a double room) 1.5 miles (2.4km) away and provide busses in the morning and in the evening.

## 4.3 Travel

Boston Logan Airport offers non-stop flights from many large cities in the US and Europe. It is well connected to major gateways of JFK, Chicago, LAX and SFO. Cambridge is an easy 10min taxi ride from the airport. The subway ride from the airport to MIT campus takes about 1 hour.



## 5 Logistics

We will employ MIT Conference Services to support logistics of the conference. We attach their preliminary proposal. MIT Conference Services is an exceptionally well run organization that supports meetings on campus. Of these, about one meeting a month is a national or international conference similar to MICCAI in size. MIT Conference Services will provide financial management, registration, facilities, AV, etc. They will negotiate hotel and banquet rates. We have used this service in the past, and have always been impressed by their professionalism and service.

We expect to use the Precision Conference service for managing paper submission and review. It is a well tested system used by MICCAI for many years.