

AGENDA
Focused Site Visit Workshop
Temporal Dynamics of Learning Center

Temporal Building Blocks for Learning

Meeting Rooms on 15, The Village, UC San Diego
May 21, 2015

Thursday, May 21, 2015

- 7:20 Bus pick-up at the La Jolla Hyatt Hotel
- 7:30-8:00 Breakfast at “Meeting Rooms on 15”, The Village, UC San Diego
- 8:00-8:05 Welcome – Sandra Brown, UC San Diego Vice Chancellor for Research
- 8:05-8:20 Introductions and Center Overview - Gary Cottrell (UC San Diego)

Session One: Efficiency in Motor Learning

- 8:20-8:45 *Overview of Approaches to Motor Learning* – Terry Sejnowski (Salk/UC San Diego)
- 8:45-8:50 Informational Questions
- 8:50-9:10 *Synthesis of Complex Movements with Optimal Control* – Emo Todorov (University of Washington)
- 9:10-9:15 Informational Questions
- 9:15-9:35 Open discussion: *How can efficient learning proceed in an optimal and flexible manner?* Led by Deborah Forster (UC San Diego)

9:35-10:00 NSF executive session and BREAK

Session Two: New Methods for Studying Motor Learning

- 10:00-10:15 *Overview of Motor Learning in Humans* – Howard Poizner (UC San Diego).
- 10:15-10:25 *Brain Plasticity and Skilled Motor Learning in Animals* – Andrea Chiba (UC San Diego)

- 10:25-10:30 Informational Questions
- 10:30-10:50 *New Approaches to Studying Motor Development in Children* – Leanne Chukoskie (UC San Diego)
- 10:50-10:55 Informational Questions
- 10:55-11:20 Open Discussion: *Motor Integration and Learning* Led by Emo Todorov
- 11:20-12:00 Meeting with Trainees
- 12:00-1:30 Lunch, Poster and Demo session

Session Three: Training Perceptual Expertise

- 1:30-1:45 *Temporal Dynamics of Perceptual Decision Making and Perceptual Expertise* – Thomas Palmeri (Vanderbilt)
- 1:45-1:50 Informational Questions
- 1:50-2:10 *Perceptual Expertise Training for Children: Application to Motor Learning in Autism* – Jim Tanaka (University of Victoria)
- 2:10-2:15 Informational Questions
- 2:15-2:35 Open discussion: *Temporal Dynamics of Expertise Learning and Training*: Led by Gary Cottrell (UC San Diego)

2:35-3:05 NSF Executive Session and Break

Session Four: Closing the Loop on Learning

- 3:05-3:25 *Single Trial Prediction of Memory Encoding* – Virginia de Sa (UC San Diego)
- 3:25-3:30 Informational Questions
- 3:30-3:50 *Modeling Decision Search Processes via Inverse Optimal Planning* – Todd Coleman (UC San Diego– TDLC Affiliate)
- 3:50-3:55 Informational Questions
- 3:55-4:15 Open discussion on closing the loop on learning: Led by Leanne Chukoskie
- 4:15 - 4:25 Director's Summary: Gary Cottrell

4:25 – 4:45 General Discussion: Marian Bartlett (UC San Diego/Emotient), Andrea Chiba

4:45-4:55 BREAK

Session Five: Sustainability

4:55-5:10 Andrea Chiba (UC San Diego)

5:10-5:15 Discussion

5:15-5:25 Institutional Leader's remarks: Miroslav Krstic, UC San Diego Associate Vice Chancellor for Research

5:25-5:35 Discussion

5:35-5:55 **NSF Executive Session**

5:55-6:25 Additional feedback from site visit team and discussion

6:25-7:30 Bus to the La Jolla Hyatt every 30 minutes

Friday, May 22, 2015

NSF and Site Visitors

La Jolla Hyatt, Milos Conference Room

- 7:30-8:30 Breakfast
- 8:30-9:30 Additional Q&A with members of Executive Committee (only if needed)
- 9:30-5:00 **NSF Executive session**
- 12:30-1:30 Lunch (NSF & Site Visitors)