

**Invitation Letter and
Call for Posters and Young Investigator Lecture
The Eleventh BGU Karniel Computational Motor Control
Workshop, June 16-18, 2015**

Dear Colleagues,

In what has now become a tradition, we wish to invite you to participate in the eleventh annual Ben-Gurion University Workshop on Computational Motor Control in Memory of Prof. Amir Karniel on **June 17th 2015**, in the W. A. Minkoff Senate Hall at Ben-Gurion University of the Negev, Beer-Sheva, Israel. Continuing the success of last year's workshop, we will also have a special robotics workshop prior to the meeting, on **June 16th**. The following information is also available on our website: <http://www.bgu.ac.il/cmchw>

Thank you for your attention,

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Overview: The nervous system analyses sensory information and orchestrates motor commands. In so doing, it faces challenges that it shares with many artificially engineered systems. In the spirit of the classic field of cybernetics, the field of computational motor control makes scientific and technological progress simultaneously by exploring the differences between artificial control theory and biological motor control. Computational motor control is a multidisciplinary research program in which mathematics, engineering, biology, medicine and the cognitive neurosciences all play important roles. This workshop will bring together world leaders in the field of computational motor control including Israeli researchers and distinguished guests. The goal will be to learn about the current state of the field and to identify the directions that will provide the medical and scientific breakthroughs of the next decades.

Call for Posters: The posters will be available throughout the day near the lecture hall to facilitate fruitful discussions. Please submit a one-page abstract of up to 400 words by **May 16th** by email to cmchw@bgu.ac.il with the subject heading "CMCW abstract submission". An email should clearly contain your name and affiliation. Notification of acceptance and abstract books will be mailed out on **May 25th**. In addition, all accepted abstracts will appear on our website prior to the conference. **Posters should have a maximum width of 90 cm and a maximum height of 120 cm.**

Prof. Karniel Memorial Young Investigator Lecture: The organizing committee will choose one abstract by a senior PhD student or a Postdoctoral Research Fellow to be invited to present a talk in the afternoon session of the workshop. To have your abstract considered for the lecture, please also add to the subject heading "CMCW Young Investigator Lecture" and include in the text of the message the name, affiliation, and student/postdoc status of the main author. Young investigator lecture abstracts should be submitted by **April 10th**. The organizing committee will cover part of the travel expenses of the talk presenter.

Best Poster Award: The award committee will choose the best poster(s) which will be announced at the end of the day. The Best Poster Award Committee will be chaired by Lior Shmuelof. To be considered for the best poster award, authors must submit a file with their poster to the Best Poster Award Committee by **June 3rd**, 2014. The poster can be submitted in PDF by e-mail to cmcw@bgu.ac.il. Please use the subject heading “CMCW best poster submission” and include in the text of the message the name of the main author.

Travel Award: In special cases we will also consider a travel award to partially cover the expenses of international researchers/students. The criteria for the travel award will be: (i) The scientific quality of the proposed poster and its relevance to the topic of the workshop (ii) An interest in pursuing a PhD, post doc or faculty position at Ben-Gurion University. Those interested in receiving a travel award should add to their abstract a short description of their circumstances by **April 10th** by e-mail to cmcw@bgu.ac.il with the subject heading “CMCW travel award.”

Awards Sponsors: Alpha Omega, SenseGraphics, Intuitive Surgical, NBT

Tour: On Thursday, **June 18th**, we plan a hike to the Negev. This is part of the CMCW tradition and offers the opportunity to see the beauty of the desert, to become exposed to the different cultures of people living in it, and to continue scientific discussions from the conference. If you interested in joining the tour, please let us know that at registration. A small additional fee may be required.



Desert in motion

Dinners: We will have a festive welcome dinner on the evening of **June 16th**. Speakers and chairmen will be guests of the workshop at the dinner. For others wishing to join us, the dinner will be subsidized and will cost no more than 100 NIS per person. We will also have a more modest dinner and discussion in the evening following the workshop that will be payed by the participants.

Registration: Please register on our website <http://www.bgu.ac.il/cmcw> before **May 16st**. Registration is mandatory but free. Space may be limited. Please indicate in your registration whether you are interested in participating in the hike, the welcome dinner and the discussion diner.

CMCW Sponsors:

- The President, Ben-Gurion University
- The Zlotowski Center for Neuroscience, BGU
- The Dean of the Faculty of Health Sciences
- The Dean of the Faculty of Engineering
- Intuitive Surgical
- NBT

ABC Robotics Initiative supported by: