

Ori Ossmy

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EDUCATION

Student for Ph.D. degree in Interdisciplinary Doctoral Program in Neurosciences at Sagol School, Tel Aviv University. Fall 2011 - Present

B.Sc. in Software Engineering with highest honors *cum laude*, Ben-Gurion University and Project Excellence Award in engineering (given to the top yearly engineering project). 2006-2010

RESEARCH EXPERIENCE

Dr. Roy Mukamel – Tel Aviv University Spring 2011- Present

- Designed, conducted and analyzed results from fMRI studies investigating the functional properties of the motor system, visual system and the language pathway.
- Designed, conducted and analyzed results from EEG studies investigating temporal properties of the motor system during unimanual and bimanual actions.
- Performed ECoG and single unit recording experiments during a clinical setting in epilepsy patients.
- Managing a two teams of 2 undergraduate engineering students to develop a novel real-time EEG platform.
- Developed Virtual Reality framework to investigate the influence of visual feedback on short-term motor learning.
- Developed original data analysis procedures using advanced machine learning techniques.
- Managed a team of 4 undergraduate research assistants to assist in collecting and analyzing data.

Prof. Marius Usher – Tel Aviv University Fall 2011- Fall 2012

- Designed, implemented and conducted original computational modeling study on perceptual decision making.
- Devised analysis procedure for the decision making experiment.

Prof. Inna Wiener – Tel-Aviv University Fall 2011 – Spring 2011

- Conducted animal experiments as part of Schizophrenia research during doctoral program rotation.
- Aided in experimental post hoc analysis of a long term animal model study during doctoral program rotation.

Prof. Yuval Elovici – Ben-Gurion University Fall 2010 – Spring 2010

- Designed, implemented and conducted a behavioral study with healthy and severely handicapped subjects to investigate novel assistive technology.

PUBLICATIONS AND PRESENTATIONS

Published articles:

- Ossmy, O., Fried, I., Mukamel, R. (2015). *Decoding Speech Perception from Single Cell Activity in Humans*. *NeuroImage*, 117, 151-159.
- Reznik, D., Ossmy, O., Mukamel, R. (2015). *Enhanced Auditory Evoked Activity to Self-Generated Sounds Is Mediated by Primary and Supplementary Motor Cortices*. *The Journal of Neuroscience*, 35(5), 2173-2180.
- Ossmy, O., Ben-Shachar, M., Mukamel, R. (2014). *Decoding letter position in word reading*. *Cortex*, 59, 74-83.
- Ossmy, O., Moran, R., Pfeffer, T., Tsetsos, K., Usher, M., & Donner, T. H. (2013). *The timescale of perceptual evidence integration can be adapted to the environment*. *Current Biology*, 23(11), 981-986.
- Ossmy, O., Tam, O., Puzis, R., Rokach, L., Inbar, O., & Elovici, Y. (2011). *MindDesktop-Computer Accessibility for Severely Handicapped*. *ICEIS (4)*(pp. 316-320).

Forthcoming:

- Ossmy, O., Mukamel, R. (2015). *Neural networks underlying intermanual skill transfer in humans*. *Neuron (under review)*.
- Ossmy, O., Mukamel, R. (2015). *Activity in superior parietal cortex during training by observation predicts asymmetric learning levels across hands*. *Scientific Reports (under review)*.
- Ossmy, O., Mukamel, R. (2015). *SMA sensitivity to visual feedback corresponds with individual differences in motor learning (In Prep.)*.

Conference Presentations:

- Ossmy, O. & Mukamel, R., Society for Neuroscience (SFN), Chicago, USA. 2015
- Ossmy, O. & Mukamel, R., Israel Society for Neuroscience (ISFN), Eilat, Israel. 2015
- Ossmy, O. & Mukamel, R., Federation of European Neuroscience Societies (FENS), Copenhagen, Denmark. 2015
- Ossmy, O. & Mukamel, R., Israel Society for Neuroscience (ISFN), Eilat, Israel. 2014
- Ossmy, O. & Mukamel, R., Israel Society of Auditory Research (ISAR), Tel-Aviv, Israel. 2014
- Ossmy, O. & Puzis, R., President Barak Obama: Israeli innovators conference, Jerusalem, Israel. 2013
- Ossmy, O. & Mukamel, R., Society for Neuroscience (SFN), San-Diego, USA. 2013
- Ossmy, O. & Mukamel, R., Israel Society for Neuroscience (ISFN), Eilat, Israel. 2013
- Ossmy, O. & Usher M., Israel Society for Neuroscience (ISFN), Eilat, Israel. 2012
- Ossmy, O. & Tam, O., International Conference on Enterprise Information Systems (ICEIS), Beijing, China. 2011

Patents:

- Ossmy, O., Tam, O., Rozen, A., & Puzis, R. European Patent 20110008206. Designation as inventor. 2011

SCHOLARSHIPS AND AWARDS

- President of the State of Israel honor scholarship of Scientific Research. 2013-2016
- Yosef Sagol scholarship of Brain Research, Tel-Aviv University. 2013-2016
- Interdisciplinary Doctoral Program in Neuroscience (IDPN), Sagol School of Neuroscience scholarship. 2011-2016

- Social Involvement scholarship, ORT Israel school network. 2013-2015
- Sieratzki Prize for Students in Neuroscience. 2014
- Trotzky Scholarship for Research. 2014
- ISAR best student presentation award. 2014
- Adams Super Center for Brain Studies traveling award. 2015

EMPLOYMENT

Microsoft, Israel R&D Center July 2008 – March 2015

- Worked as a Software Development Engineer (SDE).
- Job included coding for Microsoft products, software designs and User-Interface development in various fields as Business Intelligence, Security Essentials and Enterprise Management.

Software Development Engineer, Intel, Israel April 2007 - July 2008

- Worked as a Development Engineer.
- Job included developing products for Intel factories and adjusting existing systems to .NET platform.

Army Service in IDF (Israel Defense Forces) June 2002 – June 2005

- Security investigator and the head of IAF investigation center (10 months).
- Awards: Department of Defense information excellence award – 2003, Israeli presidential excellence award – 2004, IAF's excellence award – 2005.

VOLUNTEER EXPERIENCE

“HelloWorld” Social enterprise January 2015 – Present

Development Advisor. Includes designing devices which provide additional accessibility to individuals who have physical disabilities and managing the developers.

ORT Israel school network August 2013 – Present

Neuroscience content developer and high school lecturer.

Ben-Gurion University July 2010 – July 2011

In-home educator of assistive technology to improve functional capabilities of children with motor impairment.

LANGUAGES

- Hebrew – Native.
- English – Fluent.
- French, Spanish, Russian – Proficient.