

# Marina Hetz

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Curriculum Vitae

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## Personal Details

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<b>ID</b>	<b>323793125</b>
<b>Date of birth</b>	<b>March 21, 1984</b>
<b>Place of birth</b>	<b>Dnepropetrovsk, Ukraine</b>
<b>Date of immigration</b>	<b>October 22, 2001</b>

## Education

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- 2009-Present Ph.D. in the Department of Geography and Environmental Development, Ben-Gurion University of the Negev, Israel.**  
Dissertation title: SAR backscatter dependence on azimuth angle of the incident radiation, and on the forest parameters (orientation distribution and geometry of the canopy elements) in semi-arid climate conditions.  
Advisor: Prof. Dan G. Blumberg  
Research lab : Earth and Planetary Image Facility (EPIF) laboratory
- 2007-2009 M.A. in Geographical Information Technologies, The Department of Geography and Environmental Development, Ben-Gurion University of the Negev, Israel.**  
Thesis title: Estimation of the vegetation parameters (biomass and LAI) and radar extinction coefficient calculations by polarimetric SAR data.  
Advisor: Prof. Dan G. Blumberg  
Research lab : Earth and Planetary Image Facility (EPIF) laboratory
- 2004-2007 B.A. in Geography and Environmental Development, Ben-Gurion University of the Negev, Israel.**

## Educational Experience

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| <b>Lecturer</b> | <b>2009-Present</b><br><b>Computer's use in Geography</b><br>Department of Geography and Environmental Development, <i>Achva College</i>  |
| <b>Tutor</b>    | <b>2010</b><br><b>Advanced statistical methods</b><br>Department of Geography and Environmental Development, <i>Achva College</i>   |
|                 | <b>2008-2009</b><br><b>Advanced statistical methods</b><br><b>Statistical methods - 2</b><br>Department of Geography and Environmental Development, <i>Ben-Gurion University of the Negev</i> |

## Conferences and Workshops

- February, 2011**      **International Symposium on Sensing in Agriculture in Memory of Dahlia Greidinger (AGRISENSIG).** Technion, Israel Institute of Technology, Haifa, Israel. Estimation of semi-arid vegetation parameters from Synthetic Aperture Radar data (*oral presentation*).
- May, 2010**      **General Assembly of European Geosciences Union.** Vienna. Estimation of vegetation parameters such as Leaf Area Index from polarimetric SAR data (*oral presentation*).
- December, 2009**      **The Israel Geographic Association (IGA).** Haifa University, Israel. Estimation the vegetation parameters (Leaf Area Index) from polarimetric SAR data (*oral presentation*).
- June, 2009**      **7<sup>th</sup> Conference on Active Research by Environmental Sciences Students (CARESS).** Weizmann Institute of Science, Israel. Estimation of Leaf Area Index from polarimetric SAR data (*oral presentation*).
- December, 2010**      **The Israel Geographic Association (IGA).** The Hebrew University of Jerusalem, Israel. Estimation of semi-arid vegetation parameters from Synthetic Aperture Radar data (*poster*).
- March, 2010**      **ISPRS JOINT WORKSHOP, ISPRS Archive Vol. XXXVIII, Part 4-8-2-W9.** Haifa University, Israel. Estimation of vegetation parameters (Leaf Area Index) from polarimetric SAR data (*poster*).

## Publications

- 2010**      **Hetz M., Blumberg D.G., Rotman S.R. Estimation of vegetation parameters (Leaf Area Index) from polarimetric SAR data. ISPRS Archive Vol. XXXVIII, Part 4-8-2-W9. Haifa University, Israel.**
- Article in preparation**      **Hetz M., Blumberg D.G., Rotman S.R. Radar clutter as a measure of vegetation type.**

## Voluntary Activity

- 2008-2009**      **Youth Oncology Department of Soroka Medical Center, Beer-Sheva**

## Honours and Awards

- 2010-present**      **Scholarship for community activity**  
(Astronomy and Astrology for 8th grade students. Contribution through the unit for Community Action Unit, Ben-Gurion University of the Negev)
- 2009**      **Hias Israel Scholarship Award**

**2008-2010**      **Scholarship for community activity**  
(Work with 9th grade students as a part of a project for leadership enhancement in the Negev. Contribution through the unit for Community Action Unit, Ben-Gurion University of the Negev)

## Languages

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<b>Hebrew</b>	<b>Fluent</b> (Speaking, reading, and writing)
<b>English</b>	<b>Very good</b> (Speaking, reading, and writing)
<b>Russian</b>	<b>Fluent</b> (My native language)
<b>Ukrainian</b>	<b>Fluent</b> (Speaking, reading, and writing)

## Other

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<b>2001-2001</b>	<b>Immigration Program “Sela”, Carmiel.</b>
<b>1991-2001</b>	<b>High-school in Dnepropetrovsk, Ukraine, magna cum laude.</b>