

# Federica Bogo

*Curriculum Vitae (Last update: June 2015)*

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## Personal information

First name Federica  
Surname Bogo  
Date of birth December 12th, 1983  
Nationality Italian

## Current position

2015–present **Postdoctoral researcher.** Perceiving Systems Department, Max Planck Institute for Intelligent Systems (Germany).  
Current research interests *Computer vision/Graphics.* Human body modeling, 3D mesh registration. Segmentation and registration of medical (namely, dermatological) images.  
Past research interests *Wireless networks.* Design and theoretical analysis of routing algorithms for delay-tolerant networks.  
*High-performance computing and large dataset algorithms.* Development of *psort*, a C++ sorting library for large datasets on external memory.

## Education

2011–2015 **Ph. D., Information Engineering**, *Università degli Studi di Padova*, Padova, Italy.  
Advisor: E. Peserico.  
From 2012 to 2015, I was an affiliated Ph. D. student at the Max Planck Institute for Intelligent Systems (Germany), working with J. Romero and M. J. Black.  
2008–2010 **M. Sc., Computer Engineering**, *Università degli Studi di Padova*, Padova, Italy.  
*Summa cum laude.*  
2005–2008 **B. Sc., Computer Engineering**, *Università degli Studi di Padova*, Padova, Italy.  
*Summa cum laude.*  
2002–2005 **B. Sc., Philosophy**, *Università degli Studi di Padova*, Padova, Italy.  
*Summa cum laude.*

## Work experience

2010–2011 **Research assistant**, *Università degli Studi di Padova*, Padova, Italy.  
Research grant under the project Naevis in Silico. Development of segmentation algorithms for dermatological images.  
2009–2010 **Software developer**, *Siav Spa*, Padova, Italy.  
Full-time employment. Development of software for Enterprise Document Management and Business Process Management (languages: C, C++).

- 2008–2009 **Software developer**, *Zucchetti Spa*, Padova, Italy.  
Full-time employment. Development of iCASE software for business applications (languages: Java).
- 2003 **Journalist**, *Corriere delle Alpi (Finegil Spa)*, Belluno, Italy.

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## Teaching experience

- 2011 **Teaching assistant**, *Università degli Studi di Padova*, Padova, Italy. Courses: *Introduction to computer programming*, *Software engineering*.
- 2010 **Teaching assistant**, *Università degli Studi di Padova*, Padova, Italy. Course: *Software engineering*.

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## Personal skills and competences

### Professional licenses

- P.E. Professional Engineer since 2011.

### Languages

Italian	<b>Mother tongue</b>
English	<b>Fluent</b>
German	<b>Basic</b>
French	<b>Basic</b>

### Computer skills

Languages	C, C++, Python, Java, Perl, Matlab
OSes	Linux, Windows, Mac OS X
Libraries	OpenCV, OpenGL, Android SDK

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## Interests

Road cycling, reading, chess, mobile development.

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## Publications

- [1] F. Bogo, J. Romero, M. Loper, and M.J. Black. FAUST: Dataset and evaluation for 3D mesh registration. In *IEEE CVPR*, 2014. (Oral presentation).
- [2] F. Bogo, J. Romero, E. Peserico, and M.J. Black. Automated detection of new or evolving melanocytic lesions using a 3D body model. In *MICCAI*, 2014.
- [3] F. Peruch, F. Bogo, M. Bonazza, V. Cappelleri, and E. Peserico. Simpler, faster, more accurate melanocytic lesion segmentation through MEDS. *IEEE Transactions on Biomedical Engineering*, 61(2):557–565, February 2014.
- [4] F. Peruch, F. Bogo, M. Bonazza, M. Bressan, V. Cappelleri, and E. Peserico. Simple, fast, accurate melanocytic lesion segmentation in 1D colour space. In *Proc. VISAPP (1)*, pages 191–200, 2013.

- [5] F. Bogo, M. Samory, A. Belloni Fortina, S. Piaserico, and E. Peserico. Psoriasis segmentation through chromatic regions and Geometric Active Contours. In *Proc. IEEE EMBC*, pages 5388–5391, 2012.
- [6] F. Bogo and E. Peserico. Optimal throughput and delay in delay-tolerant networks with ballistic mobility. In *Proc. ACM MOBICOM*, pages 303–314, 2013.
- [7] P. Bertasi, F. Bogo, M. Bressan, and E. Peserico. psort 2011, Winner of PennySort Benchmark 2011 (<http://sortbenchmark.org>). Technical report.