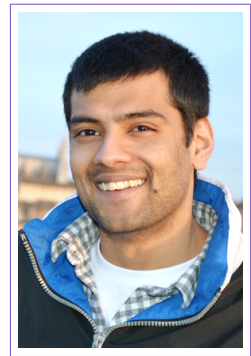


# Asad Tirmizi

## Curriculum Vitae

Siena Robotics and Systems Lab.  
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### Info

Birth 09, Aug 1986  
Citizenship Pakistan Residence Italy  
LinkedIn [linkedin.com/in/tirmizi](https://www.linkedin.com/in/tirmizi)  
Website <http://www.dii.unisi.it/~tirmizi/>

### Education

2012-2015 **PhD (Robotics & Haptics)**, University of Siena, Italy.  
2010-2012 **MS (Controls)**, Karlstad University, Sweden.  
2004-2008 **BE (Aeronautical Engineering)**, National University of Sciences and Technology, Pakistan.

### Experience

2008-2010 **Research Engineer**, Air University, Pakistan.

### Publications

#### Journal Papers

“Improving transparency in teleoperation by means of cutaneous tactile force feedback,” *ACM Transactions on Applied Perception (TAP)*, vol. 11, 2014.

“Enhancing the performance of passive teleoperation systems via cutaneous feedback,” *IEEE Transactions on Haptics (ToH)*, 2015.

“Tactile sensitivity, grasps and feedback modalities in teleoperation,” *Under Review: IEEE Transactions on Haptics (ToH)*.

#### Conference papers

“On the role of cutaneous force in teleoperation: subtracting kinesthesia from complete haptic feedback,” in *Proc. IEEE World Haptics Conference (WHC)*, pp. 371–376, 2013.

“Improving transparency in passive teleoperation by combining cutaneous and kinesthetic force feedback,” in *Proc. IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, pp. 4958–4963, IEEE, 2013.

“A perceptually-motivated deadband compression approach for cutaneous haptic feedback,” in *Under Review: IEEE Haptics Symposium*, IEEE, 2016.

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## Thesis

- PhD Thesis *Perception, Wearability and Cutaneous Feedback in Teleoperation*  
MS Thesis *Improving Transparency and Stability in a Teleoperated Environment using Passivity and Cutaneous Feedback*  
BE Thesis *Development of a Suspicious Motion Detection Framework for IP based Surveillance Systems*

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## Skill Set

Languages	C/C++, Matlab, LabVIEW	Haptics	Omega-3, Omega-6, Falcon
Hardware	Kuka, Kinova, Arduino, NI Boards	Platforms	Linux, OSX, Windows
Programs	SPSS, SVN, LaTeX	Tools	Chai 3D, dhd, OpenGL

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## Highlights

- 2012-2015 Remained part of various FP-7 and Horizon 2020 European Projects  
2012-2016 European Commission scholarship for PhD on the FP-7 Research Framework  
2011-2012 Erasmus Scholarship for Master’s Thesis  
2004-2008 Shaheen Foundation Merit Scholarship for Bachelor’s of Engineering

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## References

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