



*Politecnico di Torino - Maxwell Room*  
**8 May 2019 -17.30**

## **Special Session: beyond the Twilight Zone**

### **Beyond the PhD: what's your next step?**



*Dr. Alessandra Neri,*  
*Technology System Engineer, General Motors*

She received her doctoral degree in Metrology from PoliTo with a thesis entitled 'Development of innovative low cost sensors based on optical technologies'. She has been working in General Motors for almost 6 years, first as Hardware Electrical Architecture Development Engineer and now as Technology System Engineer, dealing with connected vehicles and big data. She will present her professional experience, providing an interesting insight on opportunities and challenges facing PhD students after the degree.

### **Gravitational Waves: understanding Black Holes, Neutron Stars and exotic phenomena in the observable universe**

*Mr. Gunnar Riemenschneider,*  
*PhD student, Physics Department, Torino University*

With the first detection of Gravitational Waves on September 14th, 2015 a new era of Astronomy has begun. In my talk I will discuss these questions and give a brief overview of the field of Gravitational Wave Astronomy. I will discuss the basic ideas of what are Gravitational Waves, how can they be detected, how can they be generated by Black Holes, Neutron Stars and other more exotic phenomena in the observable universe, and what can be understood from studying them.



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