

# Francesco G. Lavacca

## *Curriculum Vitae et Studiorum*

---

### Personal Data

First Name Francesco Giacinto  
Last Name Lavacca  
Languages Italian (native speaker) , English

---

### Education

- Until November 2013 **PhD student in “Information and Communication technology” at University of Rome “Sapienza”.**  
He is working on optical network and optical switching node architecture
- Jan 2011 – Jul 2013 **Master Degree in Electronic Engineering at University of Rome “Sapienza” (magna cum laude),** Title of Thesis: “Valutazione di politiche di assegnazione di risorse in reti OTN/WDM con complessità hardware ridotta” (Evaluation of Routing policies in OTN/WDM network with a reduced hardware coomplexity.  
Tutor Prof. Vincenzo Eramo
- Sep 2006 – Dec 2010 **Bachelor Degree in Electronic Engineering at University of Rome “Sapienza”,** Title of Thesis: “Analisi del bilancio di collegamento spaziale per sistemi in banda Ka e Q” (Link Budget Analysis for a spatial connection for Ka and Q Band Systems.  
Tutor Prof. Frank Silvio Marzano
- Sep 2001 – Jul 2006 **Scientific High School “Albert Einstein” in Cerignola (FG).**

---

### Technical Experience

Languages: C (good level), Java (good level), Python (high beginner)  
Concepts: Optical Networking, Cloud-RAN, Time-Triggered Communications

---

### Publications

- July 2015 V. Eramo, M. Listanti, F. G. Lavacca, R. Sabella and F. Testa, “*Performance Evaluation of Integrated OTN/WDM Metropolitan Networks in Static and Dynamic Traffic Scenario,*” IEEE Journal of Optical Communications and Networking, vol. 7, pp. 761 - 775
- July 2015 V. Eramo, M. Listanti, F. G. Lavacca, R. Sabella and F. Testa, “*Performance Improvement Evaluation of OTN/WDM Metropolitan Nodes provided with Spatial Speed-up,*” ICTON 2015, Budapest (Hungary)
- May 2015 V. Eramo, M. Listanti, F. G. Lavacca, R. Sabella and F. Testa, “*Blocking Performance of Cost Efficient Integrated OTN/WDM Metropolitan Networks in Static Traffic Scenario,*” ONDM 2015, Pisa (Italy)
- July 2014 V. Eramo, M. Listanti, F. G. Lavacca, R. Sabella and F. Testa, “*Blocking Performance of Metropolitan Optical Networks equipped with Low Complexity Integrated OTN/WDM Switches,*” ICTON 2014, Graz (Austria)