

TELECOM
ParisTech



Une école de l'IMT

MIP Frontiers

Example of a recent PhD
20 september 2018

université
PARIS-SACLAY



Example of a recent PhD

■ Some recent Phd students:

- V. Bisot (2018), T. Jansoone (2018), S. Leglaive (2017), C. Laroche (2017), S. Durand (2017), A.C Conneau (2016), H. Bai (2016), X. Jaureguiberry (2015), A. Masurelle (2015), N. Lopez (2014). S. Fenêt (2013), R. Foucard (2013), B. Fuentes (2013), **A. Liutkus (2012)**, M. Moussallam (2012), ...

Antoine Liutkus: some dates



- **2004**
 - Master of Engineering, Télécom ParisTech
- **2005**
 - Master ATIAM (Sorbonne University)
 - Engineer R&D at SN
- **2006**
 - « sabbatical » in South America
- **2007-2009:**
 - « Source separation » Engineer at Audionamix
- **2010-2012:**
 - PhD at Télécom ParisTech on Source separation: co-supervised by Roland Badeau;
 - Initial topic: Informed source separation
 - Final thesis title “Gaussian processes for source separation and posterior source coding”,

A PhD in France, at Telecom ParisTech

■ Rough time line

- T0 - T0+3 : Bibliography, some implementation of interesting solutions from bibliography;
- T0+3-T0+12: Research work
- T12 (and T24): Annual reports,
- T0+14-T0+18: Mid-term Phd defence
- T0+32: Phd thesis writing
- T0+36: PhD Defence

■ Some basic rules:

- Regular meeting with Phd advisors
- Develop a culture of written communication
- Develop Autonomy, Rigor, Curiosity,...

The PhD of Antoine Liukus

- **PhD supported by a national ANR project**
- **January 2010: T0**
 - A rapid dive in theory
 - T0+9 : A first conference paper in LVA/LCA + soumission of a journal paper
 - Strength of collaborations :
 - short internships in Grenoble (with L. Girin)
 - Strength of curiosity and dynamism
 - Many new collaborations initiated
 - Integrating technology transfer
 - 1 patent, open source code distribution
 - Reproducibility
 - Open source, database distribution (e;g. QUASI)
- **Dec. 2012: Defence**
 - 7 conferences, 2 journals, 1 patent



After the Phd

- **2013-2014:**
 - Post-Doc on Compressed sensing (Institut Langevin)
- **From 2014: Researcher at INRIA (in Nancy and since 2017 in Montpellier)**