

Complete Publication List

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February 17, 2019

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Preprints and Submitted Articles

- [P4] Warith Harchaoui, Pierre-Alexandre Mattei, Andrés Almansa, and Charles Bouveyron. Wasserstein Adversarial Mixture Clustering. may 2018. URL <https://hal.archives-ouvertes.fr/hal-01827775/>.
- [P3] Alasdair Newson, Andrés Almansa, Yann Gousseau, and Saïd Ladjal. Taking Apart Autoencoders: How do They Encode Geometric Shapes? January 2018. [\[Preprint\]](#).
- [P2] Yann Traonmilin, Saïd Ladjal, and Andrés Almansa. On the amount of regularization for super-resolution reconstruction. submitted, [\[Preprint\]](#), December 2012.
- [P1] Mariano Tepper, Pablo Musé, and Andrés Almansa. Meaningful clustered forest: an automatic and robust clustering algorithm. submitted, [\[Preprint\]](#), July 2011.

Book Chapters

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- [C4] A. Almansa and L. Cohen. Fingerprint image matching by minimization of a thin-plate energy using a two-step algorithm with auxiliary variables. In *Proc. Workshop on Applications of Computer Vision (WACV)*, pages 35–40, Palm Springs, CA, USA, 2000. IEEE Comput. Soc. ISBN 0-7695-0813-8. [DOI:10.1109/WACV.2000.895400](https://doi.org/10.1109/WACV.2000.895400). [\[URL\]](#).
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Patents

2014 A. Newson, A. Almansa, M. Fradet, Y. Gousseau, P. Perez, *Method for inpainting a target area in a target video*, European Patent Application nro 14305096.1. [\[URL\]](#)

Invited talks in international conferences

SIAM IS18, Bologna *Présentation Invitée* (30 min) SIAM Conference on Imaging Science, MS26 New Trends in Inpainting, “*Motion Consistent Video Inpainting*”, Bologna, 5-8 June 2018. [\[Abstract\]](#).

ICT4V - CABIDA 2018, Uruguay *Présentation Invitée* (30 min), [1st Workshop on Big and Complex Data Theory, Applications and Value Creation](#), “*Towards fully automatic video inpainting*”, Montevideo, May 2018.

UdelaR 2018, Uruguay *Laudatio* (30 min), [Discours à l’honneur du Prof. J-M Morel à l’occasion de sa nomination en tant que Docteur Honoris Causa de l’Universidad de la República](#), Montevideo, 23 février 2018. [\[note de presse\]](#).

Huawei 2018, Sophia Antipolis *Présentation Invitée* (45 min), Future ISP Technology - European Workshop. “*Single Shot HDR Imaging using Local Gaussian Models*” Sophia Antipolis, 22 septembre 2018.

DID 2015, Cambridge *Présentation Invité* (30 min), [Challenges in Dynamic Imaging Data](#), Workshop organized at the Isaac Newton Institute, Cambridge University, as part of the [Turing Gateway to Mathematics](#), [\[slides\]](#) [\[video\]](#)

TSIMF 2015, Chine *Présentation Invité* (40 min), [Workshop on New Trends in Optimization for Imaging](#), [Tsinghua Sanya International Mathematics Forum](#), Sanya, Chine.

FoCM 2014, Uruguay *Présentation Invitée* (30 min), [Workshop on Computational Harmonic Analysis, Signal and Image Processing](#), [Foundations of Computational Mathematics](#), Sanya, 2015.

CLEI 2014, Uruguay *Keynote Speaker* (60 min), [Latin American Computing Conference](#), Montevideo, 2014.

SIAM IS14, Hong Kong *Présentation Invitée* (30 min), [SIAM Conference on IMAGING SCIENCE, MS21](#), Hong Kong, 2014.

SIAM IS12, USA *Présentation Invitée* (30 min), [SIAM Conference on IMAGING SCIENCE](#), Philadelphia, 2012.

Univ. Coimbra 2010, Portugal *Invited Tutorial (5h)* "Highly Accurate Image Restoration and Matching" at the [Summer School on Imaging Sciences and Medical Applications](#), Univ. Coimbra, Portugal.

ICIAM 2007, Suisse *Présentation Invitée (30 min)*, [6th International Congress on Industrial and Applied Mathematics](#), Zurich, 2007.

Invited Presentations at Local Meetings

Lyon 2017 *Séminaire (45 min)*, [Séminaire de Modélisation Mathématique et Calcul Scientifique](#), Institut Camille Jordan, Lyon 17 février 2017 "Sur l'auto-similarité des images naturelles & son application en restauration d'images et de films".

Université Paris Descartes 2016 *Séminaire (30 min)*, [Journée de Rentrée du MAP5](#), 7 octobre 2016 "Sur l'auto-similarité des images naturelles & son application en restauration d'images et de films".

Telecom ParisTech 2016 *Séminaire (30 min)*, [Journée Recherche TSI](#), 7 juillet 2016 "Sur l'auto-similarité des images naturelles & son application en restauration d'images et de films".

TU Kaiserslautern 2016 *Séminaire (45 min)*, [DFG-Graduiertenkolleg 1932 "Stochastic Models for Innovations in the Engineering Sciences"](#), Kaiserslautern, may 10th 2016. "A Hyperprior Bayesian Approach for Solving Image Inverse Problems".

Caen 2015 *Séminaire (45 min)*, Séminaire de l'équipe image du [GREYC](#), 10 décembre 2015, "From Example-Based to Local Gaussian Priors. Applications to Video Inpainting and HDR Imaging".

JBAMI 2014, Bordeaux *Présentation Plénière (50 min)*, [2nd Workshop on Mathematical Analysis of Images in Bordeaux](#).

MIO 2012, Orléans *Présentation Plénière (45 min)* [3rd Conference Mathematics & Image Processing, Orléans](#).