Adil Salim

Doctorant

60 rue Paul Hochart
Chevilly Larue, 94550
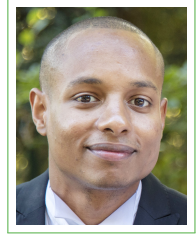*France*
✆ *+33 686775393*
✉ *adil.salim@telecom-paristech.fr*
🖥 *adil-salim.github.io*
in *adil-salim-56253499*
● *adil-salim*

Formation

2015–2018 **Doctorat**, *Telecom ParisTech*, Paris, Optimisation stochastique pour les problèmes de machine learning.
Encadrants: Pascal Bianchi, Walid Hachem and Jérémie Jakubowicz

2014–2015 **Master 2**, *Université Paris XI*, Orsay, Spé. Probabilités - Statistiques.
Mention Bien

2012–2015 **Ingénieur**, *ENSAE ParisTech*, Malakoff, Spé. Statistiques.

2009–2012 **Classe préparatoire**, *Lycée Lakanal*, Sceaux, Spé. Mathematiques/Physique.

2009 **Baccalauréat Scientifique**, *Lycée Mistral*, Fresnes, Spé. Math.
Mention Très Bien + Bourse de Mérite

Enseignements

2015-2017 **Chargé de TD**, *ENSAE ParisTech*, Malakoff, 128h.
Algèbre, Théorie de la Mesure, Introduction aux Processus Stochastiques, Projet de Statistiques Appliquées

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Experience Professionnelle

Mars 2018 **Séjour Doctoral**, *EPFL*, Lausanne, Laboratory for Information and Inference Systems (LIONS).
Hôte: Volkan Cevher

2012-2017 **Member du Pôle Enseignement**, *Associations Renovo, Connex'cités, Gics, Prémices*, Ile-de-France, Encadrement de lycéens motivés issus de milieux défavorisés qui envisagent d'intégrer des filières post-bac séléctives.

Automne 2015 **Data scientist Freelance**, *ThePriceHub.com*, Paris, Evaluation automatique du prix de pièces mécaniques.

Eté 2015 **Data scientist Freelance**, *Kwanko*, Bourg-la-Reine, Algorithme de "Real Time Bidding" pour Google Ad Exchange.

Eté 2015 **Mémoire de Master 2**, *CREST-ENSAE*, Malakoff, Calcul stochastique libre et Grandes matrices aléatoires.
Encadrant: Philippe Biane

Eté 2014 **Stage**, *Insight-UCD*, Dublin, Importance sampling, méthodes MCMC.
Encadrant: Florian Maire

Eté 2013 **Auditeur**, *Deloitte*, Neuilly-sur-Seine, Audit de compagnies d'assurance.

Publications

[1] A. Salim, P. Bianchi, and W. Hachem. Snake: a Stochastic Proximal Gradient Algorithm for Regularized Problems over Large Graphs. *Accepted for Publication in Transaction on Automatic Control*, March 2018.

[2] P. Bianchi, W. Hachem and A. Salim. A constant step Forward-Backward algorithm involving random maximal monotone operators. *Accepted for Publication in Journal of Convex Analysis*, March 2018.

[3] P. Bianchi, W. Hachem, and A. Salim. Constant Step Stochastic Approximations Involving Differential Inclusions: Stability, Long-Run Convergence and Applications. *ArXiv e-prints, 1612.03831*, December 2016.

[4] A. Salim, P. Bianchi, and W. Hachem. "A Splitting Algorithm for Minimization under Stochastic Linear Constraints". *ISMP 2018*.

[5] A. Salim, P. Bianchi, and W. Hachem. "A Constant Step Stochastic Douglas-Rachford Algorithm with Application to Non Separable Regularization". *IEEE ICASSP 2018*.

[6] A. Salim, P. Bianchi, and W. Hachem. A constant step stochastic Douglas Rachford algorithm. *Technical Report*, October 2017.

[7] A. Salim, P. Bianchi, and W. Hachem. "A Stochastic Proximal Point Algorithm for Total Variation Regularization over Large Scale Graphs". *IEEE CDC 2016*.

[8] A. Salim, P. Bianchi, and W. Hachem. "Snake: a Stochastic Proximal Gradient Algorithm for Regularized Problems over Large Graphs". *Nips 2017 Workshop Black in AI*.

[9] R. Mourya, P. Bianchi, A. Salim and C. Richard. "An adaptive Distributed Asynchronous Algorithm with Application to Target Localization". *IEEE CAMSAP 2017*.

[10] P. Bianchi, W. Hachem and A. Salim. "Convergence d'un algorithme du gradient proximal stochastique à pas constant et généralisation aux opérateurs monotones aléatoires". *GRETSI 2017*.

[11] A. Salim, P. Bianchi, and W. Hachem. "Snake: a Stochastic Proximal Gradient Algorithm for Regularized Problems over Large Graphs". *CAp 2017*.