

Fiche mise à jour le 24/06/2015   ■

200415153H : EA3893 GÉOMÉTRIE ALGÈBRIQUE ET APPLICATIONS À LA THÉORIE DE L'INFORMATION - Unité de recherche

## Responsables

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**Adresse :** UNIVERSITE DE LA POLYNESIE FRANCAISE BP 6570 98702 FAAA - TAHITI (PF)

**Site :**

**Descriptif :** The Algebraic Geometry and Information Theory Applications team of the University of French Polynesia is a team accredited since 2004. This team gathers researchers in mathematics around topics closely related to the information theory. Applications of this theory increasingly have a visible impact on everyday life: smartcards, banking security, Internet, RFID... This laboratory participates in the improvement of transport and information monitoring systems through its involvement in research topics involving cryptology and the theory of codes, by mainly using mathematical tools based on algebraic geometry and the theory of numbers. It is part of the wider context of the acquisition process and popularization of new technology in a global context of development, directly involving French Polynesia and the Pacific, notably for its economic, social and cultural development.

**Ecole(s) doctorale(s) de rattachement :**

- ECOLE DOCTORALE DU PACIFIQUE

**Rattachée au(x) thème(s) de recherche suivant(s):** non renseigné

**Liens avec d'autres structures :**

Aucun

**Contact:** alexey.zykin@upf.pf

**Année de création :** 2004

**Site ESR :** Aucun

**Classement scientifique ERC :**

- PE1 : Mathematics : All areas of mathematics, pure and applied, plus mathematical foundations of computer science, mathematical physics and statistics

**Domaine scientifique :** non renseigné.

Etablissements   ■

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POLYNESIE  
FRANCAISE  
- Université  
Polynésie  
Française (EA  
3893)  
(établissement  
tutelle à partir  
de 2004)

**Etablissement  
réfèrent**

#### Historique

- Libelle(s) de structure
  - 04/04/2012 : EA3893
- Responsable
  - 01/01/2014 - 31/12/2016 : Alexey ZYKIN (DIR)
  - 01/01/2004 - 31/12/2011 : Jean-Marie GOURSAUD (DIR)
- Label et Numéro d'établissement
  - 04/04/2012 : **EA 3893**  
POLYNESIE FRANCAISE - Université Polynésie Française (EA 3893)
- Domaines scientifiques
  - 2004 - 2012 : 1- Mathématiques et leurs interactions
  - 2004 - 2012 : 9- Sciences et technologies de l'information et de la communication
- Classement scientifique ERC
  - 2008 - 2011 : PE6- Computer science and informatics : informatics and information systems, computer science, scientific computing, intelligent systems