



## Mathematics Institute of Rennes (IRMAR)

Description succincte

### Presentation

IRMAR is one of the ten largest mathematical laboratories in France. It covers a wide range of topics, from the most fundamental to the most applied. Multi-site and multi-supervised, it brings together the majority of mathematics professionals in the Rennes region. It includes mathematicians from the Universities of Rennes 1 and Rennes 2, the French National Centre for Scientific Research (CNRS), ENS Rennes, the National Institute of Applied Sciences (INSA) (the supervisors), teams from Agrocampus, the Directorate General for Armament (DGA Information Superiority, French Ministry of the Armed Forces), Graduate School for Statistics and Data Science (ENSAI). It also hosts three teams from the French National Institute for Research in Digital Science and Technology (INRIA).

### Research Topics

The statisticians of the Rennes 2 component for the Mathematics Research Institute, Rennes (IRMAR) form a team of a dozen lecturer-researchers whose research topics range from applied statistics to mathematical statistics, with the following main themes: **non-parametric statistics, statistical learning, statistical processes, multivariate statistical analysis**. IRMAR regularly publishes in international journals, and is involved in the organization of working groups, seminars, symposia and study days such as the STAR Days or the recent DYNSTOCH colloquium. It has developed national and international research collaborations (notably in the United States, United Kingdom, Poland and Germany) in its discipline and in other disciplines such as medicine, genomics, neurosciences, economics and geography, and also interacts with industry.

**N.B.:** IRMAR is co-founder and partner of the LabEx [Centre Henri Lebesgue](#) and heavily invested in the [Annales Henri Lebesgue](#), a new non-profit generalist mathematics journal created in 2017.

The [IRMAR Library](#), a fundamental tool in mathematical research, is particularly well stocked with a sizeable documentary collection of 30,500 books and access to 295 revues. It also attracts researchers from beyond IRMAR's scope (other regional bodies or laboratories that work interactively with mathematics).

IRMAR members publish several hundred research articles each year. Several of them are also authors of books and reference books. This significant scientific activity is what has built the laboratory's solid international reputation, which in reality means **hosting about forty colleagues from foreign universities each year** for a length of time that varies from two weeks to two months, and organizing many **congresses** and various encounters and meet-ups. This reputation means that IRMAR hosts several foreign postdocs every year and regularly recruits new permanent members internationally.

**Key Figures:** 102 lecturer-researchers, 14 CNRS researchers and 67 PhD students / 12 lecturer-researchers at Rennes 2/ 15 weekly seminars / 1 monthly colloquium

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