Our research center has developed a statistical theory of object detection in images and video, which is of great industrial interest. We are currently developing applications for the detection of specific geometric structure (alignments, disks, ellipses, vanishing points), the detection of anomalies in an industrial part, the detection of clouds in satellite imagery, the detection of disruptive events (construction sites, clearings,…) in a time series of satellite images, the detection of small objects on moving backgrounds, the detection of printing flaws, the detection of image falsifications. The post-doctoral candidate will be invited to participate in the development of the mathematical theory, its teaching, and its applications. He or she will be assured of many opportunities.

The candidate is a doctor of mathematics or computer engineering with a serious mathematical component. Previous knowledge in signal and image processing, probability theory and statistics will be appreciated. The candidate will join a large team where collaborative work is privileged and training will be offered in the computer and numerical theories and techniques used in the team.

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