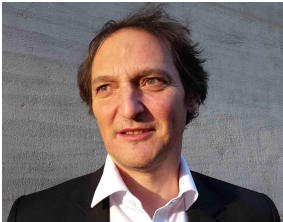## Security and Defence Research Team

Avner Bar-Hen

 Avner Bar-Hen is **Professor at Cnam**, **holder of the chair "statistics and big data"**. He is a member of the scientific council of the High Council of Biotechnologies, former member of the Specialized Commission for Evaluation, Strategy and Prospective (CSESP) of the High Council of Public Health as well as former President of the French Society of Statistics. He has published more than 120 articles and supervised around fifteen theses. In addition to his teaching and research work in statistics, he is interested in scientific mediation around mathematics.

Publications

A. Bar-Hen, P. Barbillon, S. Donnet (2020) Block models for generalized multipartite networks: Applications in ecology and ethnobiology. Accepté pour publication dans Statistical Modelling

C. Andrade, A. Villers, G. Balent, A. Bar-Hen, J. Chadoeuf, D. Cylly, D. Cluzeau, G. Fried, S. Guillocheau, O. Pillon, E. Porcher, J. Tressou, O. Yamada, N. Lenne, J. Jullien & P. Monestiez (2020) A real-world implementation of a nationwide, longterm monitoring program to assess the impact of agrochemicals and agricultural practices on biodiversity. Accepté pour publication dans Ecology and Evolution

K. Zagalo, L. Cucu-Grosjean, A. Bar-Hen (2020). Identification of execution modes for real-time systems using cluster analysis. In 2020 25th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA) (Vol. 1, pp. 1-4)

C. Desjonquères, F. Rybak, J.S. Ulloa, A. Kempf, A. Bar Hen, J. Sueur, (2020) : Monitoring the acoustic activity of an aquatic insect population in relation to temperature, vegetation and noise, Freshwater Biology, 65, 1,107-116.

C. Corbière, N. Thome, A. Bar-Hen, M. Cord, P. Pérez (2019) : Addressing Failure Detection by Learning Model Confidence, J. Advances in Neural Information Processing Systems (NeurIPS), décembre 2019, Vancouver, Canada,

T. Duchemin, A. Bar-Hen, R. Lounissi, W. Dab and M.N. Hocine (2019) : Hierarchizing Determinants of Sick Leave. Insights From a Survey on Health and Well-being at the Workplace. J. Occup. Environ. Med., 61 (8), e340-e347

G. Berthelot, A. Bar-Hen, A. Marck, V. Foulonneau, S. Douady, P. Noirez, P.B. Zablocki-Thomas, J. da Silva Antero, P.A. Carter, J.M. Di Meglio, J.F. Toussaint (2019) : An integrative modeling approach to the age-performance relationship in mammals at the cellular scale Scientific reports 9:1, 418

https://esd-en.cnam.fr/avner-bar-hen-1221594.kjsp?RH=1580467966390