Société de Calcul Mathématique SA
Mathematical Modelling Company, Corp.
Tools for decision help
Since 1995

Collaboration Program: Quantitative Investigation of Random Processes

Paris, July 11th, 2016

Our Company has been active for more than 21 years in the domain of robust mathematical models, that is models which take uncertainties into account.

Please see our web site :
In English : http://www.scmsa.eu/accueil_e.htm
In French : http://www.scmsa.eu/accueil.htm
In Russian : http://www.scmsa.eu/accueil_ru.pdf

We recently started an investigation of random walks in the plane, mostly from the point of view of their irregularities (for instance, Khinchin's Law of the Iterated Logarithm). This has interesting consequences for Industrial companies: if a sample is tested, how to define it and how to exploit it. Please see our presentation:
http://www.scmsa.eu/archives/BB_paradoxes_probabilistes_2016_02.pdf (in French)

We are seeking collaboration, either with individuals or with institutions, on these topics. This collaboration may have three aspects :

- A better understanding of the underlying theories, with new quantitative tools;
- The development of simulation software, in order to allow a better practical understanding, but also a presentation to people who are new in the field;
- A specific study of samples with industrial contents.

Form of collaboration

We are open to any form of collaboration, depending on the individual and/or institution. For example, for an individual, we can provide a part-time salary; for an institution, we may sign collaboration agreements and then the institution would send us an invoice, depending on the amount of time which was used.

This collaboration is open to people outside France (we expect that most of it will be done by email); some visits to France would certainly be necessary. We also consider the possibilities of organizing join conferences.

To apply, please send a complete resume (with proper description of probabilistic competences) to contact@scmsa.com