

BIG DATA – ALGORITHMS, ANALYSIS AND APPLICATION

The Scientific Committee will award up to two Best Papers in the subject area

Big Data – Algorithms, Analysis and Application.

Nowadays, huge amounts of data are available and used in various areas of our lives. Computers in modern cars store a multitude of parameters, smart phones collect their users' health data, weather forecasts relying on detailed data may warn property owners and genetic records may help to individualize premiums in life or health insurance. In daily life, the gathering and use of big data has become common practice when, for example, creating internet user profiles or analyzing data from retailers' store cards. In addition, insurers will increasingly be forced to use all available data in order to learn about customer needs. One can further expect that, in the future, insurers will offer risk-specific premiums to the customers by evaluating all available data.

Therefore, we strongly encourage the submission of papers related to the various aspects of Data Science.

Particular subjects of interest can be (but are not limited to):

- Claims settlement and big data
- Telematics
- Property risks especially with regard to geolocation
- Rating based on pattern recognition
- Early warning (mobile phone app)
- Connecting Big Data to actuarial problems
- Climate change and Nat-Cat
- Fraud detection
- Genetics – Impact on Life and Health Insurance
- Individualization versus collectivization
- Prediction of customer behavior

New approaches are as welcome as suitable modifications of existing and established concepts (from non-actuarial fields).