

# International Conference on Advanced Technologies, Signal & Image Processing (ATSIP 2020)

## Special Session on: "Data and Information Quality"

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The special session aims to provide a high-level international forum for researchers, engineers and scientists from around the world to present and discuss recent research achievements, ideas and advancements to solve the future challenges in the field of “**Data and Information Quality**”.

The subject of data and information quality has been considered by researchers and practitioners in many diverse fields such as robotics, organizational processes, management, product development, marketing, personal computing, health care, and publishing among others. At the same time, the problem of data and information quality in the fusion-based human-machine systems for decision-making has just recently begun to attract attention.

Data and information collected from observations (sensor readings) and reports (database search results, intelligence reports, open sources, social media ...) as well as information produced by both automatic processes and human are of variable quality and may be unreliable, of low fidelity, insufficient resolution, contradictory, and/or redundant. Thus, the performance of systems based on such data and information will also be variable. For that, the assessment of data and information quality and incorporating information quality into the whole processing chain from data to information to actionable knowledge to decisions and actions to support decision makers is necessary and play an important role in system performance improvement.

### Subject Coverage

Suitable topics include, but are not limited, to the following:

- Data and Information quality strategy, characteristics, standards, concepts, measures and tools.
- Data and Information quality assessment and verification, theory, models and methodologies
- Costs of data and Information quality and cost/benefit analysis of Information quality improvements
- Source, fusion, model and decision aid systems quality
- Success factors affecting Information quality
- Information quality applications and case studies

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