

SCOPE

The scope of expert panel W&T5 includes fundamental research, which focuses by content and/or methodology on all areas of informatics and information systems, computer science, scientific computing, intelligent systems and machine learning. The finality of the research is to generate fundamental and innovative knowledge on algorithmic design, computer methodologies and processes with long-term practical applications.

More specifically:

TOPICS

- » Theoretical computer science
- » Software engineering, programming languages and systems, system software
- » Databases, web and information systems and their management
- » Computer networks
- » Artificial intelligence
- » Machine learning, data-mining
- » Statistical data processing (speech, image, video, language, other)
- » Bio-informatics
- » Computer graphics and visualisation
- » Parallel and distributed computing, scientific computing, high-performance computing
- » Computer architectures, software for embedded and real-time systems
- » Human centered computing
- » Security, privacy, cryptography
- » Quantum computing (formal methods, algorithms and other computer science aspects)