

# SEMAPRO 2024

## Forward

The Eighteenth International Conference on Advances in Semantic Processing (SEMAPRO 2024), held between September 29<sup>th</sup>, 2024, to October 3<sup>rd</sup>, 2024, in Venice, Italy, continued a series of international events that were initiated considering the complexity of understanding and processing information. Semantic processing considers contextual dependencies and adds to the individually acquired knowledge emergent properties and understanding. Hardware and software support and platforms were developed for semantically enhanced information retrieval and interpretation. Searching for Video, Voice and Speech [VVS] raises additional problems to specialized engines with respect to text search. Contextual searching and special patterns-based techniques are current solutions.

With the progress on ontology, web services, semantic social media, semantic web, deep web search /deep semantic web/, semantic deep web, semantic networking and semantic reasoning, SEMAPRO 2024 constituted the stage for the state-of-the-art on the most recent advances.

We take here the opportunity to warmly thank all the members of the SEMAPRO 2024 technical program committee, as well as all the reviewers. The creation of such a high-quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and effort to contribute to SEMAPRO 2024. We truly believe that, thanks to all these efforts, the final conference program consisted of top-quality contributions. We also thank the members of the SEMAPRO 2024 organizing committee for their help in handling the logistics of this event.

We hope that SEMAPRO 2024 was a successful international forum for the exchange of ideas and results between academia and industry for the promotion of progress in the field of semantic processing.

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