

VCIP 2022 Special Session

Title:

Cross-media Retrieval, Recommendation, and Reasoning – CR³

Overview (aim, scope, and topics, maximum 500 words):

The massive interaction and integration among cyberspace, the physical world, and social space have significantly reshaped our world, changing the worldwide contents from single model media to cross-media. Cross-media data is composed of cross-domain, heterogeneous, and multi-modality data. It is a kind of highly coupled data with rich semantic meanings and deep inter-correlated knowledge, which could benefit downstream tasks such as transportation, medicine, manufacturing, and security.

Regardless of the application fields, many issues and challenges, brought by the multi-source, heterogeneous, and dynamic nature of cross-media data, still lie ahead and many research questions remain to be answered. For example, the unified representation of cross-media data is fundamental to all applications. Also, content analysis and understanding of cross-media data are not fully solved. In addition, cross-media reasoning and decision are still an open problem.

The workshop on Cross-media Retrieval, Recommendation, and Reasoning (CR³ 2022) aims to bring together researchers and professionals from worldwide academia and industry for showcasing, discussing, and reviewing the whole spectrum of technological opportunities, challenges, solutions, and emerging applications in this field.

Interest Topics

Topics of interest include, but are not limited to:

- Cross-media representation
- Cross-media metric learning
- Cross-media content analysis and understanding
- Cross-media retrieval
- Cross-media recommendation
- Cross-media causal inference
- Cross-media knowledge graph
- Cross-media reasoning and decision

Organizers:

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