GbR 2025

June 25-27 Caen, France

14th IAPR-TC15 Workshop on Graph-based Representations in Pattern Recognition

https://gbr2025.sciencesconf.org

Call for Papers

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Invited Speakers

Christine Solnon (FRA)
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GbR is a biennial workshop organized by the IAPR Technical Committee 15, which encourages research works in *Pattern Recognition* and *Image Analysis* within the *Graph Theory* framework. GbR 2025 will provide a forum for presenting and discussing original research results on theoretical aspects and their applications in these domains. This edition encourages works on the more general context of *Deep Learning on graphs*. The scope of GbR2025 includes, but is not limited to, the following topics :

- Graph-based methodologies for pattern recognition
- Deep learning on graphs: Graph Neural Networks, Graph pooling, Graph autoencoders, ...
- Graph-based learning and clustering
- Graph matching and classification
- Graph distance and similarity measures
- Graph kernels and graph embeddings
- Graph Signal Processing
- Graph based image segmentation
- Irregular (graph) pyramids
- Graph representation of images and shapes
- Graphs in bioinformatics
- Data mining on/with graphs
- Graphs in social network analysis
- Other graph-based applications in pattern recognition

GBR 2025 will be held in Caen (Normandy, France), at ENSICAEN on the University Campus

The workshop proceedings will be published by Springer in the Lecture Notes in Computer Science series. Discussions are in progress to publish a Virtual Special Issue in Pattern Recognition Letters on topics related to GbR. Authors of accepted papers will be invited to submit an extended version within this special issue.

Paper submission deadline	February 3, 2025
Acceptance notification	March 2, 2025
Final paper due	April 1, 2025
Registration deadline	June 2, 2025

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