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## IAPR TC15 Graph-Based Representations <u>https://iapr.org/tc15</u> Donatello Conte (Université de Tours, France), Chair Vincenzo Carletti (University of Salerno, Italy), Vice Chair

Among the topics covered by IAPR TC15 we find: graph matching, graph-based segmentation and graph pyramids, graph-based clustering regression, graph representation learning or classification together with clustering, classification and regression of graphs using various methods such as graph edit distance, graph embeddings, graph kernels and graph neural networks.

The main event of TC15 is the biennial IAPR-TC15 Workshop on Graph-based Representations (GbR). We wer unable to organize GbR 2021 due to COVID-19. Therefore, in agreement with IAPR TC2 on Structural and Syntactical Pattern Recognition, a special session on graph-based representation in pattern recognition will be organized within the S+SSPR conference in 2022.

Nevertheless, to stay connected with TC15 members and to discuss on consolidated topics and new trends in graph methods for pattern recognition, some online seminars will be organized in the last quarter of this year.

More on TC15 and latest news (including seminar information) can be found at: <u>https://iapr.org/tc15</u>.

## IAPR TC18 Discrete Geometry and Mathematical Morphology <u>https://iapr.org/tc18</u> Benjamin Perret (ESIEE Paris, France), Chair Sara Brunetti (Università di Siena, Italy), Vice Chair email: <u>tc18@iapr.org;</u> Twitter: @IAPR\_TC18 <u>https://twitter.com/IAPR\_TC18</u>

Since March 2021, Benjamin Perret (https://perso.esiee.fr/~perretb/) and Sara Brunetti (https://docenti.unisi.it/ it/brunetti-0) have been appointed as the new Chair and Vice-chair of TC18.

**DGMM**: The first edition of the new conference on Discrete Geometry and Mathematical Morphology (DGMM) was held from May 24 to 27 (<u>https://iapr.org/dgmm2021</u>). The event was entirely online and <u>all presentations</u> are available on YouTube. (Please see the <u>DGMM2021 report</u> in this issue.)

Other events:

- The Conference on Digital Geometry and Discrete Variational Calculus (DGDVC) was held from March 29 to April 2 (<u>https://dgdvc.sciencesconf.org/</u>). The 126 participants experienced a rich program, punctuated by ample breaks of discussions, and consisting of 10 keynote lectures and 14 oral presentations whose recordings are available on the meeting webpage.
- TAIR Meeting on Tomography and Applications Discrete Tomography, Neuroscience and Image Reconstruction was held on May 4-5 (<u>https://www.eko.polimi.it/index.php/TAIR/TAIR2021</u>). This edition brought together 40 participants around 6 invited talks and 4 round tables. All the sessions were recorded and are now freely accessible from the meeting webpage.