

IAPR Technical Committee 18

”Discrete Geometry and Mathematical Morphology”

Bertrand Kerautret & Michael Wilkinson

with main secretary: Phuc Ngo

ISMM 2019 - Saarland University,
Saarbrücken, Germany, 8-10 July 2019

IAPR TC18 <http://www.tc18.org>
tc18@tc18.org



1. Presentation



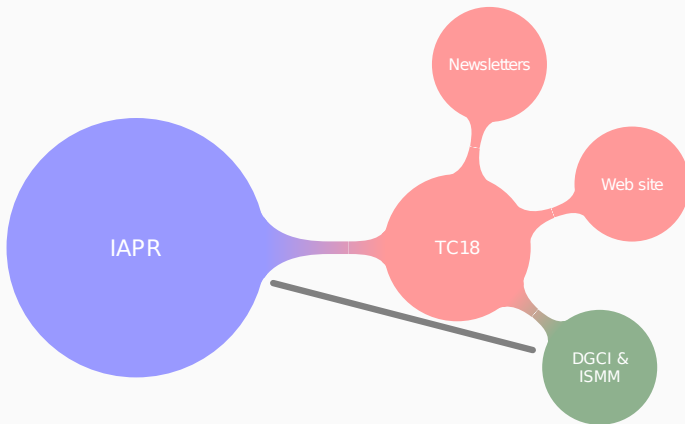
Purpose

- Promote pattern recognition and the allied branches of engineering activities.
- Advance international co-operation.
- ...

Activities

- Sponsored and endorsed Events ;).
- ICPR 2020.
- Newsletters.
- **Technical Committees.**

TC 18 "Discrete Geometry and Mathematical Morphology"



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Promote interactions and collaborations between researchers working on Discrete Geometry and Mathematical Morphology.

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Facts

- Officially created during ICPR 2001.
- Include **Mathematical Morphology** from 2016.
- 146 members.
- Main conferences: DGCI and ISMM (a member of the TC18 chairs is in the DGCI Steering Committee).



2. New organisation and recent activities

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Chairs (validated from last ExCo meeting of ICPR 18)

- Bertrand Kerautret (chair, France, LIRIS): relationships with IAPR, org., website.
- Michael Wilkinson (co-chair, The Netherlands): relationships with ISMM.
- Phuc Ngo (Secretary, France, LORIA).

TC 18 board members:

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Associated board members with roles in: (new since 2018)

- Reproducible Research : Miguel Colom, Paris, France.
- Interface between MM & DG: Nicolas Passat, France.

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Recent activities

- Final Report on IAPR-TC18 (period October 2016 - June 2018¹).
 - **ExCo evaluation** (meeting at ICPR18, Beijing) was **very positive** with mentions of:
 - Recent inclusion of MM.
 - Site update with new GitHub framework.
 - Dynamic Satellite Workshop (DGMM4CV, RRPR16) and tutorials (ACCV16, ICPR16).
 - Online demonstrations/Code diffusion.
- Suggest to organize a common Summer School (contact us if you are interested).

¹Available online <https://tc18.org/files/reportIAPR2018.pdf>

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Continuous diffusion and updates

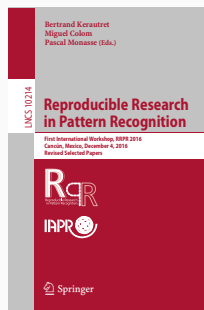
- Orientation from frequent announce update:
 - Two mailing lists (always same system based on *Sympa*):
members@tc18.org and tc18@tc18.org (board members)
- Site edition on GitHub and TC18 GitHub Team
<https://github.com/TC-18/tc18.org>
<https://github.com/TC-18/>

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Recent events from June 2018: RRPR Workshop ICPR 2018 (Beijing)

- ICPR Satellite Workshop on Reproducible Research in Pattern Recognition.
- Second edition with a focus on DG&MM.
- 15 papers published in LNCS volume.
- New formula with short papers submission and companion ICPR papers.



first edition 2016



second edition 2018

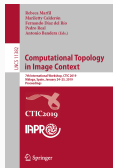
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Other recent events

- CTIC: Workshop on Computational Topology in Image Context (January 24-25).
- DGCI: March 2019
- ISMM: now...



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 - First editor/review **2 weeks max**.
 - Final publication: before December 2019.

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- ACPR workshop (26th november 2019, Auckland, New Zealand):

Image and Pattern Analysis for Multidisciplinary Computational Anatomy

<http://www.media.imit.chiba-u.jp/ipaMAC2019>

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- Share potential intention to submit common Research Project.
- Can be useful to construct for instance **European/ANR** project.
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Update on open problems

<https://tc18.org/openProblems.html>

Thanks for your attention!