IAPR Technical Committee 18: "Discrete Geometry and Mathematical Morphology"

Bertrand Kerautret and Mickael Wilkinson

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Vienna, 19 - 21 September 2017

1. Presentation

International Association on Pattern Recognition



Purpose

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

▶ ...

Activities

- Sponsored and endorsed Events ;)
- ICPR 2018
- Newsletters
- Technical Committees

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1. Presentation

TC18 "Discrete Geometry and Mathematical Morphology"



1. Presentation

TC18 "Discrete Geometry and Mathematical Morphology"

Purposes

Promote interactions and collaboration between researchers working on discrete geometry and Mathematical Morphology.

Facts

- Officially created during ICPR 2001.
- Include Mathematical Morphology from last year.
- 112 members (+17 compared to 2016)
- Main conferences: DGCI and ISMM (a member of the TC18 chairs is in the DGCI Steering Committee).



Chairs

- ► Bertrand Kerautret (chair, France): relationships with IAPR, website
- Mickael Wilkinson (co-chair, The Netherlands): relationships with ISMM

Boards members

- Arindam Biswas (India)
- Andrea Frosini (Italia)
- Georgios K Ouzounis (USA)
- Hugues Talbot (France)

Inclusion of Mathematical Morphology

- Introduced by Mickael Wilkinson at ISMM 2017.
- New member list is going to be merged.
- Site update with ISMM events.

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- Now a new "sympa" server for mail diffusion.
- Open with a moderation system.
- Two main lists: members@tc18.org and tc18@tc18@.org (board members)

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New site edition system from GitHub

https://github.com/TC-18/tc18.org

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New GitHub team: list main repositories related to TC18

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https://github.com/TC-18/
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tc18.org web site (http://www.tc18. Add topics	org)		Edit
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3. Upcoming activities

New edition of RRPR workshop

- ► Reproducible Research in Pattern Recognition.
- Special focus on Discrete Geometry and Mathematical Morphology.
- ► To be proposed in the next ICPR 2018.

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Special issue of IPOL journal with TC18/RRPR

(Journal Images Processing On line: www.ipol.im)

- Select previous papers of RRPR and TC18 topics (or other).
- Can be companion papers of other papers.
- Exploit the new automatic online demonstration system.

(to be confirmed)

Demo description interface:



http://ipolcore.ipol.im/cp/demo_edition/555557

	Online	demonstration:
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http://ipolcore.ipol.im/demo/clientApp/demo.html?id=555557

4. Update of Open Problems

Your contribution/idea are welcome

- Lectures, presentations, survey, etc.
- Software, code.
- Data sets and benchmarks frameworks.

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Update open problems

http://www.tc18.org/OpenProblems.php