Bibliographie du LRDE

1er novembre 2022

Ce document contient la liste des articles acceptés écrits ou co-écrits par les membres du LRDE depuis 1999.

Le tableau suivant résume de manière quantitative le document. « Journal » et « conférences » ne font référence qu’aux publications relues par des pairs. Le corps de ce document est consacré à la bibliographie détaillée classée selon différents critères.

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2. Nicolas Boutry, Rocio Gonzalez-Diaz, and Maria-Jose Jimenez. One more step towards well-composedness of cell complexes over n-D pictures. In Michel Couprie, Jean Cousty, Yukiko


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111. Jérôme Darbon and Marc Sigelle. Image restoration with discrete constrained Total Variation—
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112. Jérôme Darbon and Marc Sigelle. Fast and exact discrete image restoration based on total
variation and on its extensions to levelable potentials. In *SIAM Conference on Imaging
Sciences*, Minneapolis, USA, May 2006.

113. Jérôme Darbon, Marc Sigelle, and Florence Tupin. A note on nice-levelable MRFs for SAR
image denoising with contrast preservation. Technical Report 2006D006, Signal and Image
Processing Group, Ecole Nationale Supérieure des Télécommunications, Paris, France,
September 2006.

114. Jérôme Darbon, Marc Sigelle, and Florence Tupin. The use of levelable regularization
functions for MRF restoration of SAR images. In *Proceedings of the 19th Symposium SPIE
on Electronic Imaging*, San Jose, CA, USA, January 2007.

international Computer Vision / Computer Graphics Collaboration Techniques and

 priors. In *Proceedings of the twelfth International Workshop on Combinatorial Image
Analysis (IWCIA’08)*, Buffalo, New York, USA, April 2008.

117. Valentin David, Akim Demaille, Renaud Durlin, and Olivier Gournet. C/C++ disambigua-

118. Valentin David, Akim Demaille, and Olivier Gournet. Attribute grammars for modular
disambiguation. In *Proceedings of the IEEE 2nd International Conference on Intellige-
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119. Réda Dehak, Isabelle Bloch, and Henri Maître. Spatial reasoning with relative incomplete
information on relative positioning. *IEEE Transactions on Pattern Analysis and Machine

120. Réda Dehak, Charles-Alban Deledalle, and Najim Dehak. LRDE system description. In
*NIST SRE’06 Workshop: speaker recognition evaluation campaign*, San Juan, Puerto Rico,
June 2006.

121. Réda Dehak, Najim Dehak, Patrick Kenny, and Pierre Dumouchel. Linear and non linear
kernel GMM supervector machines for speaker verification. In *Proceedings of the Euro-
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122. Réda Dehak, Najim Dehak, and Patrick Kenny. The LRDE systems for the 2008 NIST

123. Réda Dehak, Najim Dehak, Patrick Kenny, and Pierre Dumouchel. Kernel combination
for SVM speaker verification. In *Proceedings of the Speaker and Language Recognition

124. Najim Dehak, Réda Dehak, Patrick Kenny, and Pierre Dumouchel. Comparison between
factor analysis and GMM support vector machines for speaker verification. In *Proceedings
of the Speaker and Language Recognition Workshop (IEEE-Odyssey 2008)*, Stellenbosch,

125. Najim Dehak, Patrick Kenny, Réda Dehak, Ondrej Glembek, Pierre Dumouchel, Lukas
Burget, Valtantsina Hubeika, and Fabio Castaldo. Support vector machines and joint factor

126. Najim Dehak, Réda Dehak, Patrick Kenny, Niko Brummer, Pierre Ouellet, and Pierre
Dumouchel. Support vector machines versus fast scoring in the low-dimensional total vari-


297. Jim Newton. Comparing use-cases of tree-fold vs fold-left, how to fold and color a map. In Symposium on Implementation and Application of Functional Languages, Copenhagen, Denmark, August 2022.

298. Emmanuel Paviot-Adet, Denis Poitrenaud, Etienne Renault, and Yann Thierry-Mieg. Ltl under reductions with weaker conditions than stutter invariance. In Proceedings of the 41th IFIP International Conference on Formal Techniques for Distributed Objects, Components


370. Didier Verna. TiCL: the prototype (Star \TeX: the next generation, season 2). In Barbara Beeton and Karl Berry, editors, TUGboat, volume 34, 2013.


394. Yongchao Xu, Thierry Géraud, and Laurent Najman. Connected filtering on tree-based
1140, June 2016. doi:10.1109/TPAMI.2015.2441070.
395. Yongchao Xu, Edwin Carlinet, Thierry Géraud, and Laurent Najman. Hierarchical segmen-
tation using tree-based shape spaces. IEEE Transactions on Pattern Analysis and Machine
396. Yongchao Xu, Thierry Géraud, and Laurent Najman. Hierarchical image simplification
and segmentation based on Mumford-Shah-salient level line selection. Pattern Recognition
397. Yongchao Xu, Thierry Géraud, and Isabelle Bloch. Segmentation d’IRM de cerveaux de
nouveau-nés en quelques secondes à l’aide d’un réseau de neurones convolutif pseudo-3d et
de transfert d’apprentissage. In Actes du 26e Colloque GRETSI, Juan-les-Pins, France,
September 2017.
398. Yongchao Xu, Thierry Géraud, Élodie Puybareau, Isabelle Bloch, and Joseph Chaza-
on. White matter hyperintensities segmentation in a few seconds using fully convolu-
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M. Reyes, editors, Brainlesion: Gliona, Multiple Sclerosis, Stroke and Traumatic Brain
Injuries—3rd International Workshop, BrainLes 2017, Held in Conjunction with MICCAI 2017,
Quebec City, QC, Canada, September 14–17 2017, Revised Selected Papers, volume 10670 of
399. Yongchao Xu, Baptiste Morel, Sonia Dahdouh, Élodie Puybareau, Alessio Virzì, Hélène
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bral magnetic resonance imaging in neonates: A new method using mathematical morphol-
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400. Heru Xue, Thierry Géraud, and Alexandre Duret-Lutz. Multi-band segmentation using
morphological clustering and fusion application to color image segmentation. In Proceedings of the
23rd IEEE International Conference on Image Processing (ICIP), volume 1, pages 353–
356, Barcelona, Spain, September 2003.
401. Erdem Yoruk, Ender Konukoglu, Bülent Sankur, and Jérôme Darbon. Person authentica-
tion based on hand shape. In Proceedings of 12th European Signal Processing Conference
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402. Erdem Yörük, Ender Konukoglu, Bülent Sankur, and Jérôme Darbon. Person authentica-
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403. Zhou Zhao, Nicolas Boutry, and Élodie Puybareau. Stacked and parallel U-nets with multi-
output for myocardial pathology segmentation. In Myocardial Pathology Segmentation
Combining Multi-Sequence CMR Challenge, volume 12554 of Lecture Notes in Computer
404. Zhou Zhao, Nicolas Boutry, Élodie Puybareau, and Thierry Géraud. A two-stage temporal-
like fully convolutional network framework for left ventricle segmentation and quantification
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Li, Alistair Young, Tommaso Mansi, and Avan Suinesiaputra, editors, Statistical Atlases and
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LV Full Quantification Challenges—10th International Workshop, STACOM 2019, Held in
Conjunction with MICCAI 2019, Shenzhen, China, October 13, 2019, Revised Selected
doi:10.1007/978-3-030-39074-7_42.
