

RRPR 2021: Third Workshop on Reproducible Research in Pattern Recognition



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RRPR 2021, Virtual-Milano, 11 January 2021

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Overview of the program: First Part

14:00 - 14:05	Workshop Opening
14:05 - 14:45	Keynote 1: Preserving source code in Software Heritage: a foundation for reproducibility - Roberto Di Cosmo , On leave at INRIA from IRIF/Université de Paris
14:45 - 15:30	RR Framework - Miguel Colom
14:45 - 15:00	ReproducedPapers.org: Openly teaching and structuring machine learning reproducibility Burak Yildiz
15:00 - 15:15	Reproducibility: Evaluating the Evaluations - Daniel Lopresti
15:15 - 15:30	torchdistill: A Modular, Configuration-Driven Framework for Knowledge Distillation - Yoshitomo Matsubara
15:30 - 15:40	Virtual Coffee break

Overview of the program: Second Part

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- 15:40 - 16:20 **Keynote 2:** There and back again, a replicability tale - [Nicolas Bonneel](#)
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- 16:20 - 16:45 RR Results - [D. Lopresti](#)
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- 16:20 - 16:35 Pith Estimation on Tree Log End Images - [Remy Decelle](#)
- 16:35 - 16:45 Structure and Concept of the Benchmark for Vesselness Filters with focus on Reproducibility and Future Evaluations - [J. Lamy](#), [B. Kerautret](#), [O. Merveille](#), [N. Passat](#)
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- 15:30 - 15:40 Virtual Coffee break
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- 16:55 - 17:40 RR Results: Special Track Deep Learning - [A. Krähenbühl](#)
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- 16:55 - 17:10 Spatio-Temporal Convolutional Autoencoders for Perimeter Intrusion Detection [Devashish Lohani](#)
- 17:10 - 17:25 Tree Defect Segmentation using Geometric Features and CNN - [Florian Delconte](#)
- 17:25 - 17:40 Creating Emotion Recognition Algorithms based on a Convolutional Neural Network for Sentiment Analysis - [Vera Ivanyuk](#)

Overview of the program: Third Part

17:40 - 17:55 **Fast track of short papers** - [Carlos Crispim-Junior](#)

17:40 - 17:43 Reproducing the sparse Huffman Address Map compression for deep neural networks - [Dario Malchiodi](#)

17:43 - 17:46 A Heuristic-Based Decision Tree for Connected Components Labeling of 3D Volumes: Implementation & Reproducibility Notes [Stefano Allegretti](#)

17:46 - 17:49 Implementation of Genetic Pseudo Rehearsal - [Bhasker Sri Harsha Suri](#)

17:49 - 17:52 On the Implementation of Planar 3D Transfer Learning for End to End Unimodal MRI Unbalanced Data Segmentation - [Martin Kolarik](#)

17:52 - 17:55 Reproducibility Aspects of Crack Detection as a Weakly-Supervised Problem: Towards Achieving Less Annotation-Intensive Crack Detectors - [Yuki Inoue](#)

17:55 - 18:00 Workshop Conclusion

Reproducible Label:

Highlight the reproducible aspects of PR works:

- a proof that the same results are obtained from the forked code,
- same code version as the paper's,
- simplify comparisons with a given work.



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Time frame:

- can always submit even after ICPR,
- not limited to ICPR papers.

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More details visit:

<https://rrpr2020.sciencesconf.org>

Thanks you!

RRPR Third workshop on
**Reproducible Research
In Pattern Recognition**
MILAN, ITALY, 11 JANUARY 2021
<http://rrpr2020.sciencesconf.org>

Reproducible Research
• Software Libraries for Reproducible Research

In Pattern Recognition:
• Computer Learning and Mathematical Programming
• Pattern Recognition and Machine Learning
• Computer Vision and Image Processing
• Image, Video, Signal and Video Processing
• Computer Graphics, Rendering, and Higher Resolution
• Biomedical Image Analysis and Applications

**Special Track on Geometry
and Deep Learning**

Important dates:
• Submission deadline: November 16, 2020
• Review period: November 16, 2020
• RRPR program paper and label deadline:
November 20, 2020 (extended until November 23, 2020)

Chairs:
• Biomedical Image Analysis: Marko Stokich, UNL, USA; Luca S. Colucci
• Image, Video, Signal and Video Processing: Marco Conradi, Karlsruhe Institute of Technology, Germany; Pia Abenig
• Pattern Recognition in AI: Andreu Barba, Universitat de València, Spain
• Image, Video, Signal and Video Processing: Sinae Adami, University of Applied Sciences, Germany
• Computer Graphics, Rendering, and Higher Resolution: Augustin Sillion, CNRS, France

Special Track chair:
• Track Chair: OMER CAHILL, University of Bath, UK
• Co-chairs: Marco BARBA, Universitat de València, Spain
• Co-chairs: Sinae ADAMI, University of Applied Sciences, Germany

Reproducible Label Chair:
• Chair: Antonello DI LUCA, University of Bari

ICPR, Springer, CIFR, RRPR, IRIS

Have a nice RRPR workshop and ICPR Conference 2021!

Authors proceedings access:

<https://rrpr2020.sciencesconf.org/data/authorProceedingsRRPR2021.pdf>

