PE&RC

# NCCV 2019 – The Netherlands Conference on Computer Vision

## Programme

Monday 16 - Tuesday 17 December 2019

# Monday DECEMBER 16

| | | |
|---|---|---|
| 11h00 | Registration starts | Poster area |
| 12h00 | Lunch | Poster area |
| 13h00 | Welcome | Oral room |
| 13h15 | Keynote 1: Nicolas Courty | Oral room |
| 14h00 | Oral session A | Oral room |
| 15h00 | coffee break + posters Monday (30) | Poster area |
| 16h00 | Oral session B | Oral room |
| 17h00 | drinks + poster | Poster area |
| *Transfer to Loburg* | | |
| 18h30 | Dinner + evening @loburg | Loburg cafe |

## Oral session A

How to Manipulate CNNs to Make Them Lie: the GradCAM Case
Tom Viering, Ziqi Wang, Marco Loog and Elmar Eisemann

Semantically Interpretable Activation Maps: What-where-how Explanations within CNNs
Diego Marcos, Sylvain Lobry and Devis Tuia

Timeception for Complex Action Recognition
Noureldien Hussein, Efstratios Gaaves and Arnold Smeulders

## Oral Session B

CentroidNet: A Deep Neural Network for Joint Object Localization and Counting
Klaas Dijkstra, Jaap van de Loosdrecht, Lambert R.B Schomaker and Marco A. Wiering

SILCO: Show a few Images, Localize the Common Object
Tao, Hu, Pascal Mettes, Jia-Hong Huang, Cees Snoek

Privacy Protection in Street-View Panoramas using Depth and Multi-View Imagery
Ries Uittenbogaard, Clint Sebastian, Julien Vijverberg, Bas Boom, Dariu Gavrila and Peter H.N. De With

# Posters Monday (by submission ID)

*Note: **odd** submission numbers*

| | |
|---|---|
| 1 | Timeception for Complex Action Recognition<br>Noureldien Hussein, Efstratios Gavves and Arnold Smeulders<br>CVPR 2019 |
| 3 | Privacy Protection in Street-View Panoramas using Depth and Multi-View Imagery<br>Ries Uittenbogaard, Clint Sebastian, Julien Vijverberg, Bas Boom, Dariu Gavrila and Peter H.N. De With<br>CVPR 2019 |
| 5 | SILCO: Show a few Images, Localize the Common Object<br>Tao Hu, Pascal Mettes, Jia-Hong Huang and Cees Snoek<br>ICCV 2019 |
| 7 | CentroidNet: A Deep Neural Network for Joint Object Localization and Counting<br>Klaas Dijkstra, Jaap van de Loosdrecht, Lambert R.B Schomaker and Marco A. Wiering<br>ECML 2018 |
| 9 | How to Manipulate CNNs to Make Them Lie: the GradCAM Case<br>Tom Viering, Ziqi Wang, Marco Loog and Elmar Eisemann<br>BMVC workshops 2019 |
| 11 | VideoGraph: Recognizing Minutes-Long Human Activities in Videos<br>Noureldien Hussein, Efstratios Gavves and Arnold Smeulders<br>ICCV workshops 2019 |
| 13 | Divide and Count: Generic Object Counting by Image Divisions<br>Tobias Stahl, Silvia-Laura Pintea and Jan C. van Gemert<br>IEEE TIP |
| 15 | Push for Quantization: Deep Fisher Hashing<br>Yunqiang Li and Jan van Gemert<br>BMVC 2019 |
| 17 | Attacking Visual QA Models by Level-Controllable Textual Noises<br>Jia-Hong Huang and Marcel Worring<br>published as “A novel framework for robustness analysis of visual QA models” in AAAI 2019 |
| 19 | Efficient and Accurate Depth Estimation with 1-D Max-Tree Matching<br>Rafael Brandt, Nicola Strisciuglio and Nicolai Petkov |
| 21 | Cross Domain Image Matching in Presence of Outliers<br>Xin Liu, Seyran Khademi and Jan van Gemert<br>ICCV workshops 2019 |
| 23 | Running Event Visualization using Videos from Multiple Cameras<br>Yeshwanth Napolean, Priadi Teguh Wibowo and Jan van Gemert<br>ACM multimedia workshops 2019 |

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|---|---|
| 25 | When a Few Clicks make all the Difference: Improving Weakly-supervised Wildlife Detection in UAV Images<br>Benjamin Kellenberger, Diego Marcos and Devis Tuia<br>CVPR workshops 2019 |
| 27 | Semantically Interpretable Activation Maps: What-where-how Explanations within CNNs<br>Diego Marcos, Sylvain Lobry and Devis Tuia<br>ICCV workshops 2019 |
| 29 | Portable Visible and Near-infrared Spectroscopy for Non-destructive Prediction of Mango Firmness<br>Najim El Harchioui, Puneet Mishra, Nicole Koendrink and Ernst Woltering |
| 31 | Optical Imaging for Marker-free Spine Tracking during Navigated Spinal Surgery Procedures<br>Francesca Manni, Ronald Holthuizen, Fons van der Sommen, Svetlana Zinger, Caifeng Shan and Peter H.N. de With<br>EMBC 2019 |
| 33 | An Improved Coherent Point Drift Method for TLS Point Cloud Registration of Complex Scenes<br>Yufu Zang and Roderik Lindenbergh<br>ISPRS Geo-spatial week 2019 |
| 35 | Unsupervised Learning on Permanent Laser Scan Data for Change Detection in Coastal Areas<br>Mieke Kuschnerus, Roderik Lindenbergh, Sylke van der Kleij, Casper Mulder, Ramon Hanssen, Sander Vos and Sierd de Vries |
| 37 | The Instantaneous Accuracy: a Novel Metric for the Problem of Online Human Behavior Recognition in Untrimmed Videos<br>Marcos Baptista Rios, Roberto J. López-Sastre, Fabian Caba Heilbron and Jan van Gemert<br>ICCV workshops 2019 |
| 39 | Fine-grained Classification of Rowing Teams<br>M.J.A. van Wezel, J.L. Hamburger and Y. Napolean |
| 41 | Deep Learning Improves Automated Rodent Behavior Recognition Within a Specific Experimental Setup<br>Elsbeth van Dam, Lucas Noldus and Marcel van Gerven |
| 43 | Video Compression With Rate-Distortion Autoencoders<br>Amirhossein Habibian, Ties van Rozendaal, Jakub Tomczak and Taco Cohen<br>ICCV 2019 |

# Tuesday DECEMBER 17

| | | |
|---|---|---|
| 09h00 | Industrial session | Oral room |
| 09h45 | Oral session C | Oral room |
| 10h45 | Coffee break + posters | Poster area |
| 11h45 | Keynote 2: Vittorio Ferrari | Oral room |
| 12h30 | Lunch + posters | Poster area |
| 13h30 | Tour of WUR facilities | |
| 14h30 | Goodbye! | |

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**Oral Session C**

3D Regression Neural Network for the Quantification of Enlarged Perivascular Spaces in Brain MRI
Florian Dubost, Hieab Adams, Gerda Bortsova, M. Arfan Ikram, Wiro Niessen, Meike Vernooij and Marleen de Bruijne

Deep Visual City Recognition Visualization
Xiangwei Shi, Seyran Khademi and Jan van Gemert

Multitask Learning to Improve Egocentric Action Recognition
Georgios Kapidis, Ronald Poppe, Elsbeth van Dam, Lucas Noldus and Remco Veltkamp

# Posters Tuesday (by submission ID)

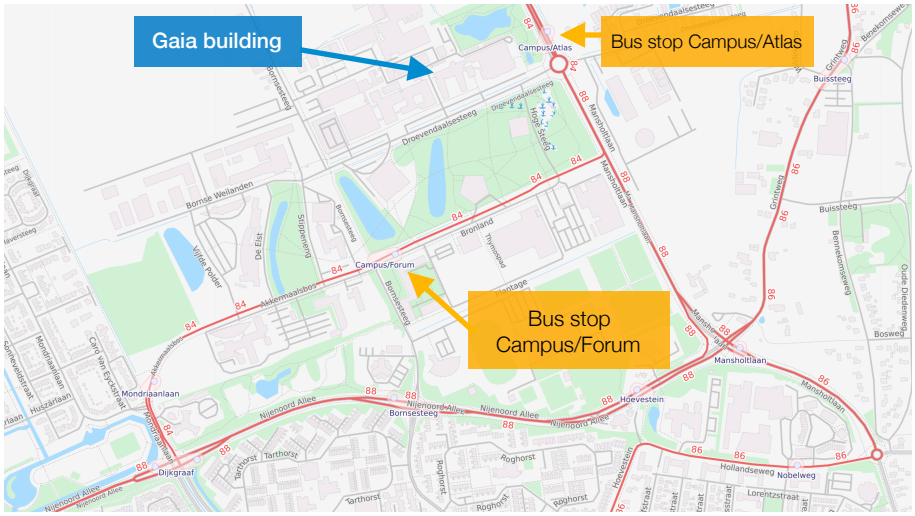
*Note: **even** submission numbers*

| | |
|---|---|
| 2 | Counting with Focus for Free<br>Zenglin Shi, Pascal Mettes and Cees Snoek<br>ICCV 2019 |
| 4 | Learning Sub-Sampling and Signal Recovery with Applications in Ultrasound Imaging<br>Iris Huijben, Bastiaan Veeling, Kees Janse, Massimo Mischi and Ruud van Sloun<br>IEEE TMI |
| 6 | 3D Regression Neural Network for the Quantification of Enlarged Perivascular Spaces in Brain MRI<br>Florian Dubost, Hieab Adams, Gerda Bortsova, M. Arfan Ikram, Wiro Niessen, Meike Vernooij and Marleen de Bruijne<br>Medical Image Analysis |
| 8 | Attention-Aware Age-Agnostic Visual Place Recognition<br>Ziqi Wang, Jiahui Li, Seyran Khademi and Jan van Gemert<br>ICCV workshops 2019 |
| 10 | Spherical Regression: Learning Viewpoints, Surface Normals and 3D Rotations on n-Spheres<br>Shuai Liao, Efstratios Gavves and Cees Snoek<br>CVPR 2019 |
| 12 | Efficient Real-Time Camera Based Estimation of Heart Rate and Its Variability<br>Marian Bittner, Amogh Gudi, Roelof Lochmans and J.C. Van Gemert<br>ICCV workshops 2019 |
| 14 | Deep Visual City Recognition Visualization<br>Xiangwei Shi, Seyran Khademi and Jan van Gemert<br>CVPR workshops 2019 |
| 16 | Adaptive Compression-based Lifelong Learning<br>Shivangi Srivastava, Maxim Berman, Matthew Blaschko and Devis Tuia<br>BMVC 2019 |
| 18 | Dance with Flow : Two-in-One Stream Action Detection<br>Jiaojiao Zhao and Cees Snoek<br>CVPR 2019 |
| 20 | Multitask Learning to Improve Egocentric Action Recognition<br>Georgios Kapidis, Ronald Poppe, Elsbeth van Dam, Lucas Noldus and Remco Veltkamp<br>ICCV workshops 2019 |
| 22 | Many Task Learning With Task Routing<br>Gjorgji Strezoski, Nanne van Noord and Marcel Worring<br>ICCV 2019 |

# Maps

## Wageningen Overview


## Campus map




See also:

[Map Wageningen Campus](#) (PDF)
[Map Wageningen Locations](#) (PDF)

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