PERSONAL INFORMATION

Family name, First name: ANCUTI, Cosmin
Date of birth: 22.07.1979
Email: cosmin.ancuti@upt.ro; cosmin.ancuti@gmail.com
Google scholar: https://scholar.google.ro/citations?user=zVTgt8IAAAAJ&hl=en   (**1800+ citations**, **h=19);**

EDUCATION

- **1997-2002: BSc**, University studies at Faculty of Electronics and Telecommunications Engineering of University Politehnica Timisoara, Romania (9.81 ot of 10).

- **2002-2003: Master of Science**, joint Master program of University Politehnica Timisoara, Computer Science Department with Siemens VDO AG, Embedded Systems (9.5 out of 10).

- **2005-2009:** Doctoral studies at **Expertise of Digital Centrum Media (EDM)**, Hasselt University, Belgium, supervised by Prof. Philippe Bekaert.

- **2009: Ph.D. degree** at Hasselt University, with the thesis entitled „*Low Level Vision Features for Enhancing Images and Videos*" (no level is assigned to PhD's in informatics at the Hasselt University).

- **2014 July: Habillitation Thesys** at Faculty of Electronics, Telecommunications and Information Technology, University Politehnica Timisoara, Romania.

WORK EXPERIENCE

- **2002-2005: Siemens VDO AG (currently Continental AG)**: developer and SW project manager of a R&D team involved in developing a general AUDIT tool for automotive cluster instruments.

- **2005-2009:** Researcher at EDM, Hasselt University, Visual Computing Lab.

- **2010-2012**: Post-doctoral researcher at Hasselt University and part time (50%) at **INTEL Flanders HPC Lab** at IMEC, Leuven, Belgium (involved in **Exascience IWT** (**Flemish**).

- **2015-2017:** Research Fellow at University Catholique de Louvain (UCL), Belgium.

- **2013- present**: Senior Researcher/Lecturer at ETcTI, University Politehnica Timisoara, Romania.

PROJECTS

Principal Investigator (total amount of +330.000 Euro):

- **Tecniospring Plus (2018-2020) (***TECSPR17-1-0054***):** "*Advanced OCR techniques for printed documents*"**,** University of Girona, Spain (**125.770 Euro**);
- **PED (2017-2018)**(***PN-III-P2-2.1-PED-2016-0940***):"*Affordable Autonomous Underwater Vehicle (AUV) for search, inspection and maintenance operations in turbid underwater*", University Politehnica Timisoara, Romania (600.000 RON= approx. **130.000 Euro**);

- **Move-in-Louvain (2015-2017):** "*A robust regression learning framework with application in aerial image restoration and microscopy image analysis*", University Catholique of Louvain, Belgium (**74.778 Euro**);

Research team member (total amount of +1.600.000 Euro):

- **FINE (2009-2011) (*EU-FP7-ICT-248020*)** ("*Free-viewpoint Immersive Networked Experience*") European Project EU-FP7, Univ. of Hasselt (+**500.000 Euro** financing of Hasselt University);
- **IWT (Flemish) (2010-2012) (*IWT - O&O – 090649*)**, ("*Exascience*"), University of Hasselt, Belgium (+**1.000.000** Euro financing of Hasselt University);
- **BOF (2005-2009)** ("*Scalable Algorithms for Video-Based 3D Scenes*"), Belgium national project, BOF05G01, Univ. of Hasselt, Belgium (**135.000 Euro**);

TEACHING

- **Image Processing; Introducing to Programming Computers; Fundamentals of Computer Networks; Computer Vision; Sensors and Actuators;**

INVITED TALKS AND PRESENTATIONS

- **November 2018**: "*Enhancing techniques based on the Laplacian fusion* ", University of Girona, Spain;
- **May 2016**: "*Fusion-based techniques in computer vision*", ICTEAM, University Catholique of Louvain, Belgium;
- **June 2016**: "*Dehazing techniques for outdoor and underwater scenes*", Institute of Automation, (IAT), University of Bremen, Germany;
- **June 2015**: "*Fusion-based techniques in computer vision*", Institute of Automation, (IAT), University of Bremen, Germany;

FELOWSHIPS AND AWARDS

- **2020: The most cited author in my faculty (ETcTI)** (**1800+** citations in Google Scholar);
- **2017: Best Paper Award IEEE CVPR NTIRE Workshop 2017** for the paper, "*Locally Adaptive Color Correction for Underwater Image Dehazing and Matching*";
- **2015-2017: "*Move-in-Louvain*"** Fellowship, at ICTEAM, University Catholique of Louvain Belgium;
- **2005-2009: BOF PhD Scholarship**, Visual Computing Department, Hasselt University, Belgium;
- **2003: S**iemens VDO MSc Scholarship**, Computer Science Department, University Politehnica Timisoara, Romania;

COMMISSIONS OF TRUST

- **Co-organiser** of the **IEEE CVPR 2018, 2019, 2020 workshops NTIRE**: *New Trends in Image Restoration and Enhancement* ;
- **Organiser** of the **IEEE CVPR NTIRE 2018, 2019, 2020 challenges of dehazing**;
- **Project evaluator:** *European Commission* (2018- present) and *UEFISCDI* (Rep. Moldova);

- **Guest Editor at "*Advanced Optical Imaging for Extreme Environments*"** –Special section of IEEE ACCESS Multidisciplinary Journal (**impact factor 4.098**), 2018-2019;
- Since 2009 constant reviewer for Peer-Review Journals (**IEEE Transactions on Image Processing**, Computer Graphics Forum, IET Computer Vision, ACM Transaction on Graphics) and reviewer for main computer vision conferences: IEEE Computer Vision and Pattern Recognition (**CVPR**), IEEE International Conference on Computer Vision (**ICCV**), European Conference on Computer Vision (**ECCV**); Asian Conference on Computer Vision (**ACCV**), British Machine Vision Conference (**BMVC**);

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- Member of IEEE and ACM organisations (**2005- present**);

MAJOR COLLABORATIONS

- **Prof. Alan C. Bovik**: "Fusion based enhancing techniques (dehazing and underwater)", University of Texas at Austin, USA; (98 000 citations, **h-index 114**).
- **Prof. Luc van Gool**: "Co-organizing IEEE workshop NTIRE CVPR 2018, 2019 and 2020", University ETH Zurich, Switzerland; (120 000 citations, **h-index 138**).
- **Prof. Lei Zhang**: "Co-organizing IEEE workshop NTIRE CVPR 2018, 2019 and 2020", The Hong Kong Polytechnic University, China; (50 000 citations, **h-index 107**).
- **Prof. Ming-Hsuan Yang**: "Co-organizing IEEE workshop NTIRE CVPR 2018, 2019 and 2020", University of California at Merced, USA; (60 000 citations, **h-index 101**).
- **Prof. Christophe De Vleeschouwer**: "Dehazing of outdoor and underwater images", University Catholique of Louvain, Belgium; (4000 citations, **h-index 34**).
- **Prof. Mateu Sbert**: "Information theory for image enhancement", University of Girona, Spain; (4700 citations, **h-index 35**).

SELECTED PUBLICATIONS (among of 45 ISI/WoS publications)

1. Cosmin Ancuti, C.O. Ancuti, Christophe De Vleeschouwer and Alan C. Bovik "*Day and Night-Time Dehazing by Local Airlight Estimation*". IEEE Transactions on Image Processing, **accepted**, 2020, **(ISI/WOS Q1) impact factor 6.79.**

2. Codruta O. Ancuti, **Cosmin Ancuti,** M. Sbert and Christophe De Vleeschouwer "*Color Channel Compensation (3C): A fundamental pre-processing step for image enhancement*". IEEE Transactions on Image Processing, 2020, **(ISI/WOS Q1) impact factor 6.79.**

3. Codruta O. Ancuti**, Cosmin Ancuti**, Christophe De Vleeschouwer, Mateu Sbert "*Color Channel Transfer for Image Dehazing*", IEEE Signal Processing Letters, 2019, **(ISI/WOS Q1) impact factor 3.268**.

4. Codruta O. Ancuti, **Cosmin Ancuti**, Philippe Bekaert and Christophe De Vleeschouwer "*Color balance and fusion for underwater image enhancement*". IEEE Transactions on Image Processing, January, 2018, **(ISI/WOS Q1) impact factor 6.79**.

5. Cosmin Ancuti, Codruta O. Ancuti , Christophe De Vleeschouwer, Mateu Sbert "*Decolorization by Fusion*", IEEE Access 6, 64071-6408, September, 2018, **(ISI/WOS Q1) impact factor 4.098**.

6. Codruta O. Ancuti, **Cosmin Ancuti**, Christophe De Vleeschouwer and Alan C. Bovik "*Single-Scale Fusion: An Effective Approach to Merging Images*". IEEE Transactions on Image Processing, October, 2016, **(ISI/WOS Q1) impact factor 6.79**.

7. Codruta O. Ancuti, **Cosmin Ancuti** . "*Single image dehazing by multi-scale fusion* ". IEEE Transactions on Image Processing, 22(8):3271-82, Aug, 2013, **(ISI/WOS Q1) impact factor 6.79.**

8. Cosmin Ancuti, Codruta O. Ancuti "*Effective Contrast-Based Dehazing for Robust Image Matching*" IEEE Geoscience and Remote Sensing Letters, vol 11(12), 2014, **(ISI/WOS Q1) impact factor 2.892**.

9. Cosmin Ancuti, Codruta O. Ancuti and Philippe Bekaert, "*Deblurring by Matching*". In Computer Graphics Forum ,Vol. 28, Nr. 2, pp. 619 – 628, 2009**, (ISI/WOS Q1) impact factor 2.373**.

10. Cosmin Ancuti, Codruta O. Ancuti and Philippe Bekaert, "*An Efficient Two Steps Algorithm for Wide Baseline Image Matching*". Journal of Visual Computer, Wiley & sons, 2009, **(ISI/WOS Q2) impact factor 1.415**.

11. Cosmin Ancuti, T. Haber, T. Mertens and P. Bekaert, "*Video enhancement using reference photographs*". Journal of Visual Computer, 24 (7-9), 709-717, Wiley & sons, 2008, **(ISI/WOS Q2) impact factor 1.415**.

12. Cosmin Ancuti, Codruta O. Ancuti, Christophe De Vleeschouwer and Alan C. Bovik , "*Night-time dehazing by fusion.* ". In Proceedings of IEEE International Conference on Image Processing (**IEEE ICIP**), ISBN: 978-1-4673-9961-6, ISSN: 2381-8549, Phoenix, USA, Sept., 2016.

13. Cosmin Ancuti, Codruta O. Ancuti and Christophe De Vleeschouwer, " *D-HAZY: A dataset to evaluate quantitatively dehazing algorithms*". In Proceedings of IEEE International Conference on Image Processing (**IEEE ICIP**), ISBN: 978-1-4673-9961-6, ISSN: 2381-8549, Phoenix, USA, Sept., 2016.

14. Cosmin Ancuti, C. O. Ancuti, and P. Bekaert, "*Enhancing Underwater Images and Videos by Fusion*", In IEEE Computer Vision and Pattern Recognition (**IEEE CVPR**), 2012

15. Codruta O. Ancuti, **Cosmin Ancuti** and P. Bekaert, "*Enhancing by Saliency-guided Decolorization*", In IEEE Comp. Vision and Pattern Recognition (**IEEE CVPR**), 2011

RECOMMENDATIONS

Prof. Alan C. Bovik
Head of Department of Electrical and Computer Engineering, The University of Texas at Austin, US
Email: bovik@ece.utexas.edu

Prof. Christophe De Vleeschouwer
Head of ICTEAM Lab, Université Catholique de Louvain, Belgium
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Prof. Mateu Sbert
Head of the Graphics and Imaging Laboratory, University of Girona, Spain
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Prof. Luc Van Gool
Professor computer vision ETH Zurich & KU Leuven, Head Toyota Lab TRACE @ KUL & ETH
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