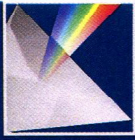


Załącznik 6

Oświadczenia współautorów prac wchodzących w skład cyklu publikacji przedstawionego jako osiągnięcie habilitacyjne ¹

¹Załączam również oświadczenia współautorów prac spoza cyklu, w których mój udział szacuję na ponad 10%. Oświadczenia od współautorów z Polski otrzymałem w formie podpisanego papierowego dokumentu, oświadczenia od współautorów z zagranicy w formie elektronicznej. Oryginały oświadczeń zdeponowałem w Dziekanacie wydziału Automatyki, Elektroniki i Informatyki Politechniki Śląskiej w Gliwicach, ul. Akademicka 16.



Warsaw

01.08.2016

To Whom It May Concern:

This letter is to confirm that the contributions of authors of the paper: T. Bernas, R. Starosolski, J. P. Robinson, and B. Rajwa, "Application of detector precision characteristics and histogram packing for compression of biological fluorescence micrographs," *Computer Methods and Programs in Biomedicine* **108**(2):511-523 (2012), doi:10.1016/j.cmpb.2011.03.012, are as follows:

Tytus Bernas

- overall contribution: 40%
- proposed joint research
- proposed the HB method
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing

Roman Starosolski

- overall contribution: 40%
- proposed the HBP method
- contributed to: design, implementation, experiments, data analysis and interpretation, writing
- selected the journal and was the corresponding author

J Paul Robinson

- overall contribution: 10%
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing

Bartek Rajwa

- overall contribution: 10%
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing

Sincerely,

Tytus Bernas

Nencki Institute of Experimental Biology, Polish Academy of Sciences

Warsaw, Poland



To whom it may concern:

October 13, 2016

This letter is to confirm that the contributions of authors of the paper: T. Bernas, R. Starosolski, J. P. Robinson, and B. Rajwa, "Application of detector precision characteristics and histogram packing for compression of biological fluorescence micrographs," *Computer Methods and Programs in Biomedicine* **108**(2):511-523 (2012), doi:10.1016/j.cmpb.2011.03.012, are as follows:
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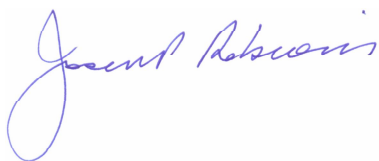
J. Paul Robinson

- overall contribution: 10%
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing

Bartek Rajwa

- overall contribution: 10%
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing

Yours sincerely,



J. Paul Robinson, PhD

The SVM Professor of Cytomics & Professor of Biomedical Engineering

Director, Purdue University Cytometry Laboratories

Past President, International Society for Advancement of Cytometry

Purdue University Cytometry Laboratories, G221 Lynn Hall

625 Harrison St, Purdue University West Lafayette, IN 47907-2057 Lab Ph: (765) 494 0757

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Track Professor Robinson's climbs in the Himalayas - Everest - April-May 2009 <http://www.cyto.purdue.edu/trackpaul/> and see the Manaslu photos at <http://picasaweb.google.com/climbingabc> Support Cytometry for Life non-profit with your donation www.cytometryforlife.org

West Lafayette, 10/24/2016

To Whom It May Concern:

This letter is to confirm that the contributions of authors of the paper: T. Bernas, R. Starosolski, J. P. Robinson, and B. Rajwa, "Application of detector precision characteristics and histogram packing for compression of biological fluorescence micrographs," *Computer Methods and Programs in Biomedicine* **108**(2):511-523 (2012), doi:10.1016/j.cmpb.2011.03.012, are as follows:

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- contributed to: design, implementation, experiments, data analysis and interpretation, writing
- selected the journal and was the corresponding author

J. Paul Robinson

- overall contribution: 10%
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing

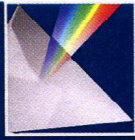
Bartek Rajwa

- overall contribution: 10%
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing

Sincerely,



Bartek Rajwa
Bindley Bioscience Center
Purdue University
West Lafayette, IN, USA



Warsaw

01.08.2016

To Whom It May Concern:

This letter is to confirm that the contributions of authors of the paper: T. Bernas, R. Starosolski, and R. Wójcicki, "Application of detector precision characteristics for the denoising of biological micrographs in the wavelet domain," *Biomedical Signal Processing and Control* **19**:1-13 (2015), <http://dx.doi.org/10.1016/j.bspc.2015.02.010>, are as follows:

Tytus Bernas

- overall contribution: 60%
- proposed joint research
- proposed the detector precision characteristics based wavelet denoising algorithm for fluorescence microscopy images
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing

Roman Starosolski

- overall contribution: 25%
- contributed to: design, experiments, data analysis and interpretation, writing
- selected the journal and was the corresponding author

Robert Wójcicki

- overall contribution: 15%
- contributed to: design, experiments, data analysis and interpretation

Tytus Bernas

Nencki Institute of Experimental Biology, Polish Academy of Sciences
Warsaw, Poland



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- contributed to: design, experiments, data analysis and interpretation, writing
- selected the journal and was the corresponding author

Robert Wójcicki

- overall contribution: 15%
- contributed to: design, experiments, data analysis and interpretation

Sincerely,

Robert Wójcicki
Institute of Informatics
Silesian University of Technology
Akademicka 16, 44-100 Gliwice, Poland



To Whom It May Concern:

This letter is to confirm that the contributions of authors of the paper: R. Starosolski, W. Skarbek, "Modified Golomb-Rice Codes for Lossless Compression of Medical Images," in proc. International Conference on E-health in Common Europe, pp. 423-437, Cracow, Poland, June 5-6, 2003, are as follows:

Roman Starosolski

- overall contribution: 80%
- proposed the new limited-length GR code family
- contributed to: design, data collection, implementation, experiments, data analysis and interpretation, writing, selecting the conference
- was the corresponding author and presented the paper at the conference

Władysław Skarbek

- overall contribution: 20%
- prepared concise proofs of theorems
- contributed to: data analysis and interpretation, writing, selecting the conference

Sincerely,



Władysław Skarbek

Professor of Warsaw University of Technology, PhD, DSc

Head of Television Division

Head of Multimedia Laboratory

Institute of Radioelectronics

Department of Electronics and Information Technology

Warsaw University of Technology

Nowowiejska 15/19, 00-665 Warsaw, Poland

e-mail: W.Skarbek@ire.pw.edu.pl

To Whom It May Concern:

This letter is to confirm that the contributions of authors for each of the below-listed papers are as bulleted below the paper.

1. Schaefer, G.; Starosolski, R.; Zhu, S.Y. : *An evaluation of lossless compression algorithms for medical infrared images*. Proc. of 27th IEEE Int. Conference Engineering in Medicine and Biology Society EMBS2005, Shanghai, China, September 2005, pp. 1673-76, DOI: 10.1109/IEMBS.2005.1616764.
 - G. Schaefer — overall contribution: 45%; proposed the research and collected the test data; contributed to: design, data analysis and interpretation, and writing.
 - R. Starosolski — overall contribution: 45%; prepared the implementations and performed the experiments; contributed to: design, data analysis and interpretation, and writing.
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 2. Starosolski, R.; Schaefer, G.; Zhu, S.Y.: *Performance evaluation and optimisation of lossless image compression algorithms applied to medical infrared images*. Proc. of 9th Medical Image Understanding and Analysis Conference MIUA2005, Bristol, England, July 2005, pp. 47-50.
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 3. Starosolski, R.; Schaefer, G.: *Lossless compression of color medical retinal images*. Proc. 20th European Conference on Modelling and Simulation ECMS2006, Bonn, Germany, May 28-31, 2006, pp. 437-42.
 - R. Starosolski — overall contribution: 50%; proposed the application of histogram packing to color retinal images; prepared the implementations and performed the experiments; contributed to: design, data analysis and interpretation, and writing.
 - G. Schaefer — overall contribution: 50%; proposed the research and collected the test data; presented the paper at the conference; contributed to: design, data analysis and interpretation, and writing.
-

4. Schaefer, G.; Starosolski, R.: *An Evaluation of Image Compression Algorithms for Colour Retinal Images*. In: Maglaveras, N. et al. (Eds.): *Biological and Medical Data Analysis (7th International Symposium, ISBMDA 2006, Thessaloniki, Greece, December 7-8, 2006. Proceedings)*. Springer LNCS/LNBI, 2006, Volume 4345, pp. 358-67, DOI: 10.1007/11946465_32.
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 - R. Starosolski — overall contribution: 50%; prepared the implementations and performed the experiments; contributed to: design, data analysis and interpretation, and writing.
6. Schaefer, G.; Starosolski, R.: *A comparison of two methods for retrieval of medical images in the compressed domain*. Proc. of 30th Annual IEEE Int. Conference Engineering in Medicine and Biology Society EMBS2008, Vancouver, British Columbia, Canada, August 2008, pp. 402-5. DOI: 10.1109/IEMBS.2008.4649175.
 - G. Schaefer — overall contribution: 50%; collected the test data; presented the paper at the conference; contributed to: design, data analysis and interpretation, and writing.
 - R. Starosolski — overall contribution: 50%; performed the experiments; contributed to: design, data analysis and interpretation, and writing.
7. Schaefer, G.; Starosolski, R.; Pawlak, D.; Zhu, S.Y.: *Wavelet based retrieval of medical thermograms*. Proc. of 5th Int. Conference on Technology and Applications in Biomedicine ITAB2008, Shenzhen, China, May 2008, pp. 135-7, DOI: 10.1109/ITAB.2008.4570596.
 - G. Schaefer — overall contribution: 30%; proposed the research and collected the test data; contributed to: design, data analysis and interpretation, and writing.
 - R. Starosolski — overall contribution: 30%; supervised the MSc thesis of D.Pawlak that involved implementation of WHT/FWHT image retrieval methods; performed the experiments; contributed to: design, data analysis and interpretation, and writing.
 - D. Pawlak — overall contribution: 30%; implemented the WHT/FWHT image retrieval methods; prepared documentation for the implementation; contributed to: data analysis and interpretation, and experiments.
 - S.Y. Zhu — overall contribution: 10%; presented the paper at the conference; contributed to: data analysis and interpretation, and writing.

8. Starosolski, R.; Schaefer, G.; Moleda, M.; Zhu, S.Y.: *Retrieval of medical images in wavelet compression domain*. Proc. of 5th Int. Conference on Technology and Applications in Biomedicine ITAB2008, Shenzhen, China, May 2008, pp. 157-9, DOI: 10.1109/ITAB.2008.4570597.
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 - S.Y. Zhu — overall contribution: 10%; presented the paper at the conference; contributed to: data analysis and interpretation, and writing.
9. Schaefer, G.; Nowosielski, R.; Starosolski, R.: *Evaluation of lossless image compression algorithms for CFA data*. Proc. of 50th International Symposium ELMAR2008, Zadar, Croatia, September 2008, Vol. 1, pp. 57-60.
- G. Schaefer — overall contribution: 45%; presented the paper at the conference; contributed to: design, data collection, data analysis and interpretation, and writing
 - R. Nowosielski — overall contribution: 45%; prepared and performed the experiments; contributed to: data analysis and interpretation, experiments, writing.
 - R. Starosolski — overall contribution: 10%; contributed to: design, implementation, experiments, writing.

Sincerely,



Dr Gerald Schaefer

Department of Computer Science
Loughborough University
Loughborough, LE11 3TU
U.K.
E-mail: Gerald.Schaefer@ieee.org

To Whom It May Concern:

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 - S.Y. Zhu — overall contribution: 10%; presented the paper at the conference; contributed to: data analysis and interpretation, and writing.

Sincerely,



Dr Shao Ying Zhu

Department of Computing and Mathematics
College of Engineering
University of Derby
Kedleston Road site, Derby Campus
Derby DE22 1GB
U.K.
E-mail: s.y.zhu@derby.ac.uk

To Whom It May Concern:

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Sincerely,

Dominik Pawlak



Katowice, 2016-09-13

To Whom It May Concern:

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Sincerely,

Marek Mołęda

Marek Mołęda