Krzysztof Jan Wegner

Lista Publikacji
31 października 2013

Oryginalne prace badawcze

Artykuły w czasopismach o zasięgu międzynarodowym

1. Domański M., Stankiewicz O., Wegner K., Kurc M., Konieczny J., Siast J., Stankowski J., Ratajczak R., Grajek T., ***High Efficiency 3D Video Coding Using New Tools Based on View Synthesis*****,** *IEEE Transactions on Image Processing*, tom.22, nr.9, s.3517-3527, 2013

Artykuły w materiałach renomowanych cyklicznych konferencji o zasięgu światowym

Materiały wydawane przed konferencją na podstawie 3-4 recenzji. Zrównoważony udział autorów z różnych kontynentów. Średnio 40-60% odrzuconych prac.

Wszystkie opublikowane prace dostępne są w bazie danych IEEE Explore (http://ieeexplore.ieee.org/Xplore/) która jest wyznacznikiem aktualnego stanu wiedzy w dziedzinie.

Opublikowane prace są także ujęte w bazie Web of Science (http://apps.webofknowledge.com/).

2. Stankiewicz O., Domański M. M., Wegner K., ***Stereoscopic depth refinement by mid-level hypothesis***, *IEEE International Conference on Multimedia & Expo,* Singapur, Singapur, lipiec 2010
3. Wegner K., Stankiewicz O. Domański M., ***Stereoscopic depth estimation using fuzzy segment matching***, *28th Picture Coding Symposium PCS2010,* Nagoya, Japonia, 8-10 grudzień 2010
4. Stankiewicz O., Wegner K., Domański M., ***Error concealment for MVC and 3D video coding***, *28th Picture Coding Symposium PCS2010,* Nagoya, Japonia, 8-10 grudzień 2010
5. Domański M., Grajek T., Karwowski D., Klimaszewski K., Konieczny J., Kurc M., Łuczak A., Ratajczak R., Siast J., Stankiewicz O., Stankowski J., Wegner K., ***Coding of multiple video+depth using HEVC technology and reduced representations of side views and depth maps***, *29th Picture Coding Symposium PSC2012,* Kraków, Polska, 2012
6. Domański M., Konieczny J., Kurc M., Ratajczak R., Siast J., Stankiewicz O., Stankowski J., Wegner K., *3**D video compression by coding of disoccluded regions***, *2012 IEEE International Conference on Image Processing (ICIP),* Orlando, USA, 30 wrzesień – 3 październik 2012

7. Stankowski J., Domański M., Stankiewicz O., Konieczny J., Siast J., Wegner K., ***Extensions of the HEVC technology for efficient multiview video coding***, *2012 IEEE International Conference on Image Processing (ICIP),* Orlando, USA, 30 wrzesień – 3 październik 2012
8. Ratajczak R., Grajek T., Wegner K., Klimaszewski K., Kurc M., Domański M., ***Vehicle Dimensions Estimation Scheme Using AAM on Stereoscopic Video,*** *10th IEEE International Conference on Advanced Video and Signal-Based Surveillance,* Kraków, Poland, sierpień 2013
9. Stankiewicz O., Wegner K., Domański M., ***Nonlinear Depth Representation for 3D Video Coding,*** *IEEE The International Conference on Image Processing (ICIP),* Melbourne, Australia, wrzesień 2013

Artykuły w materiałach renomowanych konferencji o zasięgu międzynarodowym

Materiały wydawane przed konferencją na podstawie 2-3 recenzji. Udział autorów z wielu krajów. Średnio 20-50% odrzuconych prac.

Wszystkie opublikowane prace dostępne są w bazie danych IEEE Explore (http://ieeexplore.ieee.org/Xplore/) która jest wyznacznikiem aktualnego stanu wiedzy w dziedzinie.

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10. Stankiewicz O., Wegner K., ***A hybrid technique for stereoscopic depth estimation in video***, *International Conference on Signals and Electronic Systems 2008,* Kraków, wrzesień 2008
11. Klimaszewski K., Wegner K., Domański M., ***Distortions of synthesized views caused by compression of views and depth maps***, *3DTV-Conference 2009 The True Vision Capture, Transmission and Display of 3D Video,* Poczdam, Niemcy, 4-6 maj 2009
12. Wegner K., Stankiewicz O., ***Similiarity measures for depth estimation***, *3DTV-Conference 2009 The True Vision Capture, Transmission and Display of 3D Video,* Poczdam, Niemcy, 4-6 maj 2009
13. Klimaszewski K., Wegner K., Domański M., ***Joint intra coding of video and depth maps***, *IEEE International Conference on Signals and Electronic Systems – ICSES 2010,* Gliwice, Polska, wrzesień 2010
14. Lewandowski F., Paluszkiewicz M., Grajek T., Wegner K., ***Subjective Quality Assessment Methodology for 3D Video Compression Technology*****,** *IEEE International Conference on Signals and Electronic Systems – ICSES 2012,* Wrocław, Polska, wrzesień 2012

Artykuły w materiałach międzynarodowych konferencji

Materiały wydawane przed konferencją na podstawie 2-3 recenzji. Udział autorów z wielu krajów. Średnio 20-50% odrzuconych prac.

Wszystkie opublikowane prace dostępne są w bazie danych IEEE Explore (http://ieeexplore.ieee.org/Xplore/) która jest wyznacznikiem aktualnego stanu wiedzy w dziedzinie.

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16. Ratajczak R., Domański M., Wegner K., ***Vehicle size estimation from stereoscopic video***, *19th International Conference on Systems, Signals and Image Processing (IWSSIP),* Vienna, Austria, 11-13 kwiecień 2012
17. Stankowski J., Grajek T., Wegner K., Domański M., ***Video Quality in Multiple HEVC Encoding-Decoding Cycles,*** *20th International Conference on Systems, Signals and Image Processing (IWSSIP),* Bucharest, Rumunia, lipiec 2013
18. Grajek T., Ratajczak R., Wegner K., Domański M., ***Limitations of Vehicle Length Estimation Using Stereoscopic Video Analysis,*** *20th International Conference on Systems, Signals and Image Processing (IWSSIP),* Bucharest, Rumunia, lipiec 2013

Artykuły w materiałach innych międzynarodowych konferencji

Materiały wydawane przed konferencją na podstawie 2-3 recenzji. Udział uczestników z wielu krajów.

Wszystkie opublikowane prace dostępne są w bazie danych IEEE Explore (http://ieeexplore.ieee.org/Xplore/) która jest wyznacznikiem aktualnego stanu wiedzy w dziedzinie.

19. Domański M., Gotfryd M., Wegner K., ***View synthesis for multiview video transmission***, *The 2009 International Conference on Image Processing, Computer Vision, and Pattern Recognition*, Las Vegas, USA, 13-16 lipiec 2009

Warto podkreślić, że w dziedzinie telekomunikacji publikacje na międzynarodowych konferencjach decydują o szybkim obiegu informacji i często mają większe oddziaływanie na środowisko naukowe (biorąc pod uwagę liczbę cytowań) niż tradycyjnie wyżej oceniane publikacje w czasopismach z listy JCR.

Artykuły w tomach zwartych poświęconych technikom i algorytmom związanym z przetwarzaniem obrazu ruchomego

20. Domański M., Klimaszewski K., Stankiewicz O., Stankowski J., Wegner K., ***Efficient transmission of 3d video using MPEG-4 AVC/H.254 compression technology***, *w S. Zeadally, E. Cerqueira, M. Curado, M. Leszczuk (eds.): Computer Communication Networks and Telecommunications,, Lecture Notes in Computer Science,* Springer-Verlag (2010), tom 6157, s 145-15
21. Wegner K., Stankiewicz O., ***Generation of temporally consistent depth maps using noise removal from video,*** *w L. Bolc, R. Tadeusiewicz, and L.J. Chmielewski (eds.): Computer Vision and Graphics,, Lecture Notes in Computer Science,* Springer-Verlag (2010), tom: 6375, s. 292-299
22. Domański M., Klimaszewski K., Konieczny J., Kurc M., Łuczak A., Stankiewicz O., Wegner K., ***An experimental free-view television system***, *Image Processing and Communications Challenges, R. Choraś, A. Zabłudowski (eds.),* Academy Publishing House EXIT, Warszawa, 2009, s. 169-176

Artykuły w czasopismach krajowych

23. Stankiewicz O., Wegner K., ***System telewizji stereowizyjnej z wyznaczaniem mapy głębi***, *Przegląd Telekomunikacyjny 4/2008,* s. 213 - 216, kwiecień 2008

24. Łuczak A., Kurc M., Stępniewska M., Wegner K., ***Platforma przetwarzania rozproszonego bazująca na sieci NoC***, *Pomiary Automatyka Kontrola 8/2009,* wol. 55, s. 690 - 692, sierpień 2009
25. Stankiewicz O., Wegner K., ***Wpływ kompresji obrazów i map głębi na syntezę widoków w systemie wielowidokowym***, *Przegląd Telekomunikacyjny 6/2009,* s. 376 - 379, czerwiec 2009
26. Klimaszewski K., Wegner K., ***Wpływ kompresji obrazów i map głębi na syntezę widoków w systemie wielowidokowym***, *Przegląd Telekomunikacyjny 6/2009,* s. 380 - 383, czerwiec 2009
27. Lewandowski F., Paluszkiewicz M., Grajek T., Wegner K., ***Methodology for 3D Video Subjective Quality Evaluation,*** *International Journal of Electronics and Telecommunications, 2013,* tom 59, nr. 1. s. 5-32

Prace opublikowane jako dokumenty grupy ekspertów MPEG Międzynarodowej Organizacji Normalizacyjnej ISO/IEC

Dokumenty prezentujące oryginalne wyniki naukowe mające znaczenie dla międzynarodowej normalizacji.

Wszystkie materiały dostępne w bazie MPEG ISO/IEC.

28. Stankiewicz O., Wegner K., ***Depth map estimation software****, ISO/IEC JTC1/SC29/WG11 MPEG 2008 / M15175*, Antalya, Turcja, styczeń 2008
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30. Stankiewicz O., Wegner K., ***Depth Map estimation software version 3***, *ISO/IEC JTC1/SC29/WG11 MPEG 2008 / M15540*, Hannover, Niemcy, lipiec 2008
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33. Stankiewicz O., Wegner K., ***Application of middle level hypothesis algorithm for improvement of depth maps produced by depth estimation reference software***, *ISO/IEC JTC1/SC29/WG11 MPEG 2009 / M16028*, Lausanne, Szwajcaria, luty 2009

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36. Wegner K., Stankiewicz O., ***Improved depth estimation with advanced occlusion handling***, *ISO/IEC JTC1/SC29/WG11 MPEG 2011 / M21365*, Torino, Włochy, lipiec 2011
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41. Stankiewicz O., Wegner K., Domański M., ***3D-HEVC with reduced resolution of depth,*** *Joint Collaborative Team on 3D Video Coding Extension Development of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11 Doc. JTC3V-B0183*, 2nd Meeting: Shanghai, CN, 13–19 październik 2012
42. Grajek T., Stankiewicz O., Wegner K., ***AHG9: Correlation analysis between MOS data collected on stereoscopic and autostereoscopic displays,*** *Joint Collaborative Team on 3D Video Coding Extension Development of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11 Doc. JTC3V-C0202*, Genewa, CH, 17–23 styczeń 2013

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Publikacje Przeglądowe

Dokumenty podsumowujące międzynarodowe projekty badawcze i normalizacyjne

Normy i dokumenty normalizacyjne Międzynarodowej Organizacji Standaryzacyjnej (podsumowujące międzynarodowe projekty badawcze).

Wszystkie materiały dostępne w bazie MPEG ISO/IEC.

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    Joint Collaborative Team on 3D Video Coding Extension Development of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11 Doc. JTC2-A1004, 1st Meeting: Stockholm, SE, 16–20 lipiec 2012
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Dokumenty podsumowujące międzynarodowe eksperymenty

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73. Stankiewicz O., Wegner K., Domański M., ***Nonlinear depth representation – extended results,*** *ISO/IEC JTC1/SC29/WG11 MPEG 2011 / M23791,* San Jose, USA, luty 2012
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77. Wegner K., Stankiewicz O., Siast J., ***3D-CE2h results on Nonlinear Depth Representation,*** *ISO/IEC JTC1/SC29/WG11 MPEG 2012 / M25020,* Genewa, Szwajcaria, maj 2012
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