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Technical Program

Sunday, January 9

SECCCA-M0: SECCCA Workshop Keynote

RSW-M1: Performance of wireless systems

Improvement of the Sphere Decoding Complexity Through an Adaptive OSIC-SD System

Sherlie Portugal (Chonnam National University, Korea); Jeaho Park (Chonnam National University, Korea); Changwoo Seo (Chonnam National University, Korea); Insik Cho (University of Chonnam, Korea); Gilsang Yoon (Chonnam National University, Korea); JeongHwan Lee (Chonnam National University, Korea); Intae Hwang (University of Chonnam, Korea)

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Nadine Abbas (American University of Beirut, Lebanon); Hazem Hajj (American University of Beirut, Lebanon); Ahmad Borghol (MobiNetS, Lebanon)

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Deuk Lee (Georgia Institute of Technology, USA); John A. Copeland (Georgia Institute of Technology, USA)

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Mingxi Wang (Missouri University of Science and Technology, USA)

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Virtual Remote Nursing System

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Personalized Mobile Monitor for Assisted Healthy-Living

Michael N Chukwu (University of Windsor, Canada)

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Stefano Abbate (IMT Institute for advanced studies Lucca, Italy); Marco Avvenuti (University of Pisa, Italy); Guglielmo Cola (University of Pisa, Italy); Paolo Corsini (University of Pisa, Italy); Janet Vijaya Light (University of New Brunswick (Saint John), Canada); Alessio Vecchio (University of Pisa, Italy)

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Min Xu (Blue Highway LLC, USA); Albert Goldfain (Blue Highway, USA); Atanu Roy Chowdhury (Blue Highway, LLC, USA); Jim DelloStritto (Blue Highway Inc., USA)

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Mike Krey (University of Applied Sciences Zurich, Switzerland)

EDCN-M: Emerging Densely Connected Networks - Emerging Networks and Applications

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Salah M Saleh Al-Majeed (University of Essex, United Kingdom); Martin Fleury (University of Essex, United Kingdom)

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Xiaoguang Fan (The University of Hong Kong, Hong Kong); Kuang Xu (MIT, P.R. China); Victor O. K. Li (University of Hong Kong, P.R. China); Guang-Hua Yang (The University of Hong Kong, Hong Kong)
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Kazumi Sakai (Kyoto University, Japan); Yasuo Okabe (Kyoto University, Japan)
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Roberto Roverso (Royal Institute of Technology (KTH), Sweden); Amgad Naiem (Cairo University, Egypt); Mohammed Reda (Peerialism Inc., Egypt); Mohammed El-Beltagy (Cairo University, Egypt); Sameh El-Ansary (Swedish Institute of Computer Science, Sweden); Nils Franzen (Peerialism Inc., Sweden); Seif Haridi (KTH - The Royal Institute of Technology, Sweden)
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Kazuya Takahashi (Graduate School of Information Science and Technology, Osaka University, Japan); Yusuke Hirota (Osaka University, Japan); Hideki Tode (Osaka Prefecture University, Japan); Koso Murakami (Osaka University, Japan)
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Abbas Bradai (University of Bordeaux 1, France); Toufik Ahmed (University of Bordeaux-1 / CNRS-LaBRI, France)
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Le Quang Vinh Tran (IRISA, University of Rennes 1, France); Olivier Berder (IRISA, University of Rennes 1, France); Olivier Sentieys (IRISA, University of Rennes 1, France)

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Farimah Mapar (Iran University of Science and Technology, Iran)

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Wei Liu (Beijing University of Posts and Telecommunications, P.R. China); Hao Hu (Chinese Academy of Sciences, P.R. China); Yahui Hu (IOA CAS, P.R. China); Hui Tang (IOA, Chinese Academy of Sciences, USA); Song Ci (University of Nebraska-Lincoln, USA)

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Benoit Escrig (Université de Toulouse, France)

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Ying Wang (Beijing University of Posts and Telecommunications, P.R. China); Ke Zhang (Beijing University of Posts and Telecommunications, P.R. China)

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Dmitri Moltchanov (Tampere University of Technology, Finland); Yevgeni Koucheryavy (Tampere University of Technology, Finland)

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Luis Guijarro (Universitat Politecnica de Valencia, Spain); Vicent Pla (Universitat Politecnica de Valencia, Spain); Jose R Vidal (Universidad Politecnica de Valencia, Spain)

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Analysis of Amplify-and-Forward Cooperative Relaying with Adaptive Modulation in Nakagami-m Fading Channels

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Ismail Butun (University of South Florida, USA); Ravi Sankar (University of South Florida, USA)

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Chunhui Zhu (Samsung Electronics, USA); Youngsoo Kim (Samsung Electronics, Korea); Osama Aboul-Magd (Samsung Electronics, USA); Chiu Ngo (Samsung, USA)

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Ngoc Son Han (Electronics and Telecommunications Research Institute, Korea); Woon Seob So (Electronics and Telecommunications Research Institute, Korea); Kim Doyoung (Electronics and Telecommunications Research Institute, Korea)

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Yizhe Li (Beijing University of Posts and Telecommunications, P.R. China); Zhiyong Feng (Beijing University of Posts and Telecommunications, P.R. China)

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Yuki Iwanari (Kyoto University, Japan)

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Moshaddique Al Ameen (Inha University, Korea); Jingwei Liu (Xidian University, P.R. China);

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Huan Wang (University of Science and Technology of China, P.R. China); Kaiping Xue (University of Science and Technology of China, P.R. China); Peilin Hong (USTC, P.R. China); Hancheng Lu (University of Science and Technology of China, P.R. China)
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Mohammed W. Baidas (Virginia Tech, USA); Allen B. MacKenzie (Virginia Tech, USA)
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Comparison of Analog and Digital Network Coding Approaches for Bidirectional Relaying with Private Messages to the Relay

Amine Maaref (Mitsubishi Electric Research Laboratories, USA); Ramesh Annavajjala (Mitsubishi Electric Research Labs, USA); Jinyun Zhang (MERL, USA)
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*CCNC 2011 Student Workshop Papers - Extended Abstracts were student-peer reviewed by CCNC 2011.

Khalid Alajel

From: EDAS Conference Manager [help@edas-help.com] on behalf of EDAS [help@edas-help.com]
Sent: Thursday, 19 August 2010 7:31 PM
To: Khalid Alajel
Cc: Wei Xiang; John Leis
Subject: [CCNC'2011 Emerging and Innovative Consumer Technologies and Applications] Your paper 'Face Detection Based on Skin Color Modeling and Modified Hausdorff Distance' has been accepted

Dear Mr. Khalid Alajel:

Paper #1569333373

Title: Face Detection Based on Skin Color Modeling and Modified Hausdorff Distance

The IEEE CCNC Technical Program Committee has completed the review process for the regular technical program and we are pleased to inform you that the manuscript listed above has been ACCEPTED for presentation at the conference. Congratulations!

IEEE CCNC continues to be the premier technical conference in consumer communications and networking. This year we received a near record number of submissions of over 300 for the main technical tracks and accepted about 100 papers, an acceptance rate of less than 1/3. Hence acceptance criteria were particularly competitive this year.

The review feedback is appended below and can also be found at <http://edas.info/showPaper.php?m=1569333373>. Please address all issues raised by the reviewers and revise the paper accordingly for the final version. The hard deadline for the camera-ready paper submission is Oct. 1, 2010. Your camera-ready paper should be prepared and submitted according to the guidelines at <http://www.ieee-ccnc.org/>.

The acceptance of your paper for publication in the conference proceedings requires:

- (1) Your timely submission of the final manuscript (deadline Oct. 1, 2010, 20:00 EST) revised to address the reviewers' comments and formatted according to the guidelines posted at <http://www.ieee-ccnc.org/>.
- (2) The paid registration of at least one author by Oct. 1, 2010, 20:00 EST. You will receive a registration number which is used when you upload the final manuscript for publication. Registration for IEEE CCNC 2011 is available at <http://www.ieee-ccnc.org/>.
- (3) At least one author of your paper to attend and present the paper in person at the conference. Papers for which no presentation is made at the conference will be withdrawn from IEEE Xplore.

Please note that deadlines for demos, short papers, and a number of workshops are still open. We also encourage authors to propose demonstrations related to the topic of their papers. More information on the demo program can be found at http://cms.comsoc.org/eprise/main/SiteGen/CCNC_2011/Content/Home/Demonstrations.html.

Further information on IEEE CCNC 2011, including special sessions, workshops, demos, panels, tutorials, and the career forum, is available on the conference web site <http://www.ieee-ccnc.org>. Conference information will be updated shortly to include the full technical program and detailed instructions for preparing your presentation.

On behalf of the IEEE CCNC 2011 Technical Program Committee, we would like to thank you for submitting your work to IEEE CCNC 2011.

We look forward to welcoming you to Las Vegas in January 2011, and, with your participation, another exciting conference program.

Sincerely,

IEEE Ben Falchuk, IEEE CCNC 2011 TPC Vice Chair

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=====
===== Review 1 =====

> *** Comments:: Please provide detailed descriptions that support your scores and your suggestion to the authors if any.

The paper presents, to my knowledge, a fresh approach to face recognition and there are many ubiquitous computing and security and safety applications to which the technology could be applied.

> *** Summary:: Please describe the main contributions and the key weakness of the paper.

The strengths of the paper lies in its innovative use of skin colour for face detection, and the experiments done to demonstrate the effectiveness of the approach.

A weakness is that the reader of the paper cannot know how simple or complex the pictures/images used in the experiments are. What if there are objects in the picture with colour that is similar to skin colours, etc?

> *** Quality of presentation:: Layout, English, ...
Good (3)

> *** Originality/Novelty:: Rate the novelty of the paper.
Somewhat novel (2)

> *** Your recommendation:: accept/reject
Accept if room (3)

=====
===== Review 2 =====

> *** Comments:: Please provide detailed descriptions that support your scores and your suggestion to the authors if any.

The authors describe a technique for face detection in imagesbased on skin color features. In the first step, a skin color database is uses as a low level feature to distinguish a human face in the image. In the second stage, the edges of the face are then identified. In the final step, distance measurements based on hausdorff distance to a face template are used to determine if the recognized segment represent a face.

-The main contribution of the authors is not very clear, as several of their proposed steps are already using existing approaches.

-More simulation results are needed.

-The authors also need to discuss in more details the effects of varying the threshold in the last step.

-Finally, the authors may want to discuss the time complexity of the technique compared to other approaches.

> *** Summary:: Please describe the main contributions and the key weakness of the paper.

-The main contribution of the authors is not very clear, as several of their proposed steps are already using existing approaches.

-More simulation results are needed.

-The authors also need to discuss in more details the effects of varying the threshold in the last step.

-Finally, the authors may want to discuss the time complexity of the technique compared to other approaches.

> *** Quality of presentation:: Layout, English, ...
Good (3)

> *** Originality/Novelty:: Rate the novelty of the paper.
Novel (3)

> *** Your recommendation:: accept/reject
Definitely accept (4)

=====
Review 3
=====

> *** Comments:: Please provide detailed descriptions that support your scores and your suggestion to the authors if any.

The paper is well written and organized and technically sound. Authors clearly explain each part of the system. My minor comments follow:

- 1) The meaning of G in section IIB1 is not introduced. It will be useful if authors could explained this feature.
- 2) In the paper, the proposed system is compared with other techniques (i.e., GW, MGW, RET). However, some information about this comparison is missing. For example, which are the images used for the comparison? Are they extracted from the database composed of 200 images or are test images out of database?
- 3) Two additional but interesting parameters to study are i) the rate depending on the number of faces which are present on each image and ii) the detection probability to detect a particular ethnic group and/or a gender. It could be interesting if authors could elaborate on.

> *** Summary:: Please describe the main contributions and the key weakness of the paper.

In the paper, a system for detecting human faces from complex backgrounds in images is introduced. The novelty is represented by the combination of the skin color filter technique which is able to identify the face candidates together with the Hausdorff distance technique which is able to verify the validate such face candidates not detected by the skin filter. The paper is also well-written and -organized.

> *** Quality of presentation:: Layout, English, ...
Good (3)

> *** Originality/Novelty:: Rate the novelty of the paper.
Novel (3)

> *** Your recommendation:: accept/reject
Definitely accept (4)

=====
Review 4
=====

> *** Comments:: Please provide detailed descriptions that support your scores and your suggestion to the authors if any.

- There are small typos in the text that should be corrected.

Section II: in the title, should be System Description and not System Descreption

- The article is well written but spends most of the space talking about other works algorithms and therefore the contribution of this work is very limited. Its seems more an integration work than research.

- In the overall the article is well written but in the reviewer opinion there are some open points, namely:

Can this system be used in real time scenarios? How long does it take for the system to detect faces? Does this vary with the image quality? Can the system be implemented on mobile devices? Under which conditions were the tests performed (CPU, memory, etc..)?

Why there isn't a normal "Related Work" section? Nowadays there are several approach in the research and industry areas that publish their results. So the question is, why only one article (reference 14) is referenced and compared? Also notice that this article is from 2003, and in the meantime (7 years) a lot of work has been done.

Throughout the entire article it is not very clear what is the contribution from the authors. It seems to be a pure integration of two well known algorithms. If on the other hand, there is a clear contribution from the authors, this should be explicit on the article.

- In the reviewer's opinion, this article lacks in making the bridge of the work done and the applicability for the users. This conference is about consumer electronics and this track in particular: Emerging and Innovative Consumer Technologies and Applications. It would be interesting if the authors could explain what would be the contributions of their work towards this field. What are the application? What are the constraints?

> *** Summary:: Please describe the main contributions and the key weakness of the paper.

This article proposed a face detection methodology based on skin color modeling and modified hausdorff distance. Based on such detection system, the successful detection rate was 87.5%.

In the reviewers opinion, the main weakness of the article relates to the fact that no reference is made to related work. The authors simply decide for 2 main algorithms and don't compare them with other approaches. Why were these chosen? What are the main advantages? See other comments above/below for more details.

> *** Quality of presentation:: Layout, English, ...
Good (3)

> *** Originality/Novelty:: Rate the novelty of the paper.
Somewhat novel (2)

> *** Your recommendation:: accept/reject
Likely reject (2)

=====
Review 5
=====

> *** Comments:: Please provide detailed descriptions that support your scores and your suggestion to the authors if any.

Based on known principles, the authors present an approach for the detection of faces in still images. In fact there is no real innovation in the proposed work. There are many things that should be included / declared / corrected, as for example:

- How does the face template is obtained?
- Why does the threshold is set less than of 1% of the largest skin region ?
- References {12} and [13] are useless.
- The first sentence of the first paragraph of page 3 (regarding the calculation of the median) should be deleted.
- How much is tau_Threshold in eq. (3) and why?
- In page 4 in the first paragraph is written that: "This is the value when the skin filtering result begins to stabilize." How does this stabilization is measured?

- In page 5 subsection D is stated that a lot of tests have been conducted. Where are the results? In subsection E further below, comparisons are given to the work of [14]. Why only this?
- The link of reference [10] is not valid!
- What is the computational complexity of the proposed approach?
- The title refers to the Modified Hausdorff Distance, but it is not stated clearly in the text why this makes the difference.
- A lot of language error. Pls revise carefully.
- In page 4, second column, line 4 from bottom, replace 'hand' by 'head'

> *** Summary:: Please describe the main contributions and the key weakness of the paper.

Main contributions: Orientation invariant face detection.

Weakness: How does the method deals with changes in illumination?

> *** Quality of presentation:: Layout, English, ...
Needs improvement (2)

> *** Originality/Novelty:: Rate the novelty of the paper.
Somewhat novel (2)

> *** Your recommendation:: accept/reject
Accept if room (3)



January 9 - 12, 2011

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WELCOME TO IEEE CCNC 2011

We look forward to seeing you soon at the conference.

Registration will open at Planet Hollywood starting on Sunday, January 9 in Celebrity Ballroom 1.

Please [click here](#) to review the final program.

IEEE Consumer Communications and Networking Conference, sponsored by the IEEE Consumer Communications Society, is a major annual international conference with the objective of bringing together researchers, developers, and practitioners from academia, industry, and industry working in all areas of consumer communications and networking.

IEEE CCNC was organized specifically to help the consumer electronics industry advance the use of the numerous wireless and wireline communications technologies that will one day provide on-demand access to both entertainment and information anywhere, regardless of time or location. This includes a detailed analysis of every technological area ranging from cognitive and peer-to-peer networking, designer services and tools used to ensure ease-of-use, security and system interactivity.

IEEE CCNC 2011 will present the latest developments and technical solutions in areas of home networking, consumer networking, enabling technologies (middleware), and novel applications and services. The conference will include a reviewed program of technical sessions, special sessions, business applications sessions, tutorials, and demonstration sessions.

The conference will be held in a new location this year at Planet Hollywood Casino. Please [click here](#) to make your housing reservations.

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COMPLETE LIST OF AUTHORS: **Khalid Alajel and Wei Xiang and John Leis**

IEEE PUBLICATION TITLE (Journal, Magazine, Conference, Book): **The 8th Annual IEEE Consumer Communications and Networking Conference - Emerging and Innovative Consumer Technologies and Applications (CCNC'2011 Emerging and Innovative Consumer Technologies and Applications)**

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