



Resume of
Dr. Md. Haider Ali (Mohammad Haider Ali)
Professor (Selection Grade)
Department of Computer Science and Engineering,
University of Dhaka, Dhaka-1000, Bangladesh.



Personal Information:

1. *Name: Md. Haider Ali*
2. *Date of Birth: 3rd January, 1963.*
3. *Gender: Male.*
4. *NID: 102 559 3391. Passport No.: A02978379*
5. *Marital Status: Married*
6. *Email: haider@du.ac.bd*
7. *Phone: +880 1711 988 544 (Cell), +880 2 44865057 (home)*
8. *URL: https://www.du.ac.bd/faculty/faculty_details/CSE/1762*
9. *Mailing Address: D6, A N M Muniruzzaman Bhaban, Fuller Road, Dhaka University, Dhaka-1000, Bangladesh.*

Education:

1. ***Doctor of Engineering in Electronics and Information Engineering (2001):***
 - Completed in March 2001, *Research Field: Computer Graphics, Visual Computing Laboratory, Department of Electronics and Information Engineering, Toyohashi University of Technology, Toyohashi City 441-8580, Japan.*
2. ***Master of Science (M. Sc.) in Applied Physics and Electronics (1985):***
 - Completed in November 1989 (scheduled year 1985),
 - Result: *Second among the First Classes, University of Dhaka, Dhaka-1000, Bangladesh.*
3. ***Bachelor of Science (B.Sc. Honors) in Applied Physics and Electronics (1984):***
 - Completed in March 1987(scheduled year 1984), Minor – Mathematics and Chemistry,
 - Result: *Fourth among the First Classes, University of Dhaka, Dhaka-1000, Bangladesh.*
4. ***Higher Secondary Certificate (H.S.C) in Science Group (1981):***
 - Completed in August 1981,
 - Major Subjects: Bengali, English, Physics, Chemistry, Biology, Elective Mathematics.
 - Result: *First Division.*
5. ***Secondary School Certificate (S.S.C) in Science Group (1978):***
 - Completed in July 1978,
 - Major Subjects Bengali, English, Mathematics, Physics, Chemistry, Biology, Elective-Mathematics, Religious (Islamic) Study. Result – *First Division.*

Teaching/Research Experience:

1. 25th June, 2007 – Present:
Professor (Selection Grade-since December 2017), dept. of Computer Science and Engineering, University of Dhaka, Dhaka – 1000, Bangladesh.
2. 1st January 2015 – 31st May 2016:
Professor, dept. of Computer Science and Engineering, BRAC University, Dhaka – 1212, Bangladesh (Extra-ordinary Leave from the University of Dhaka).
3. 9th January 2003 – 24th June 2007:
Associate Professor, dept. of Computer Science and Engineering. University of Dhaka, Dhaka – 1000, Bangladesh.
4. 19th April 1995 – 8th January 2003:
Assistant Professor, dept. of Computer Science and Engineering, Shah Jalal University of Science and Technology, Sylhet, Bangladesh.
5. 11th April 1990 – 18th April 1995:
Scientific Officer, Institute of Electronics and Material Science, Atomic Energy Research Establishment, Bangladesh Atomic Energy Commission – Savar, Dhaka, Bangladesh.

Responsibilities:

- 1st January 2015 – 31st May 2016:
Chairperson, Dept. of Computer Science and Engineering, BRAC University, Dhaka – 1212, Bangladesh.
- 18th February 2006 – 17th February 2009:
Chairman, Dept. of Computer Science and Engineering, University of Dhaka, Dhaka – 1000, Bangladesh.
- March 2009 – June 2010:
Director, Institute of Science and Technology (IST), Dhanmondi, Dhaka.
- October 2003 – December 2014:
Director (Part-time), Dhaka University Cyber Center, TSC, University of Dhaka, Dhaka – 1000, Bangladesh.
- April 2004 – February 2006:
Student Advisor, dept. of Computer Science and Engineering, University of Dhaka, Dhaka – 1000, Bangladesh.
- January 2005 – December 2011:
Assistant House Tutor, Amar Ekushe Hall, University of Dhaka, Dhaka – 1000, Bangladesh.

Affiliations:

- *Life Fellow*, Bangladesh Computer Society.
- *Member*, Bangladesh Electronics Society.
- *Member*, JUAAB (Japanese Universities Alumni Association in Bangladesh).

- **Life Member**, APECE (Applied Physics, Electronics and Communication Engineering) Alumni Association, University of Dhaka.
- **Life Member**, Dhaka University Alumni Association.
- **Student Member**, Institute of Electronics, Information and Communication Engineering (IEICE), Japan (former).

Computer Knowledge:

- **Operating Systems:** LINUX, UNIX and WINDOWS.
- **Programming languages:** C/C++, Python.
- **Knowledge on:** Graphics Programming in C using OpenGL API.
- **Visualizing the followings in C programming Language using OpenGL:** 3D-2D Projective Image Registration, 3D Motion Analysis (rigid and non-rigid), Texture blending and Mapping, DICOM file, Marching Cubes Algorithm, Polygonal Surface Simplification, Human Facial Soft-Tissue modeling, Narrow band video transmission using computer graphics etc.
- **Image Processing:** Mathematical Morphology based Image Processing, Dynamic Programming based 2D Image Segmentation, Volume/Image Meta-Morphosis, Image Processing in Frequency Domain, Disparity Estimation in Stereo-optics etc.

Involvement in National Activities:

1. **Member, Final Acceptance Test (FAT) Committee:** 4-Tier National Data Center (4TDC), Bangabondhu Hitech City, Kaliakyor, Gazipur. (2022-2023)
2. **Adjudicator between Blank Smart Card Procurement Authority (Bangladesh Army) and Suppling Entity (BMTF LTD.)** in Identification System for Enhancing Access to Services (IDEA) Project, 2nd Phase (since May, 2023)
3. **Technical Evaluation Committee Member:** Identification System for Enhancing Access to Services (IDEA) Project. A World Bank financed Project under Bangladesh Election Commission. Target of this project is to provide (NID) Smart-Cards. [I was one of the three members in designing (new version) Electronic Voting Machine]
4. **Technical Evaluation Committee Member:** BanglaGovNet Project: Development of National ICT Infra-Network for Bangladesh Government. Bangladesh Computer Council, Ministry of Post, Telecommunication and Information Technology.
5. **Technical Evaluation Committee Member:** JibonBima Computerization Project: Jibon Bima, the largest Government owned Insurance Company in Bangladesh. The target of this project is to automate the insurance system of JibonBima Corporation, and to establish online connectivity between the head office and its 6 regional offices. I had been involved in this project as a technical committee member since March 2003 and playing a major role of technical consultant as there is no consultant for this project. The system is already commissioned. It is a national ICT awarded project. Project cost approximately 40 Million Taka. (2003 - 2018)

6. **Tender Evaluation Committee Member:** *Central Bank Strengthening Project (CBSP) Bangladesh Bank:* It is a World Bank funded project. The target of this project is to establish a data network among all the Commercial Banks in Bangladesh, to establish ERP and EDW. Being a member of this committee, I interviewed the (International) IT Consultants, observed live demonstrations on one ERP and eight EDW projects. (in 2009)
7. **Technical Committee Member:** *64-District Computerization Project:* The target of this project is to establish two computer laboratories in each of the 68 districts to enrich the college and school teachers who are engaged in ICT related teaching. Related curriculum and course material for the school and college teachers is also a part of this project. (2009 – 2013)
8. **Technical Committee Member:** *ATN (Aeronautical Telecommunication Network) Project:* The target of this project is to establish an Aeronautical Telecommunication Network (IP based Network) at ZIA International Airport, under the supervision of Civil Aviation Authority of Bangladesh (CAAB). Being a member of this committee, I have visited to see the ongoing ATN system of Singapore, Bangkok and Hong Kong Airport. It is a Govt. of the People's Republic of Bangladesh funded project. (2007-2011)
9. **Technical Committee Member:** *MRP (Machine Readable Passport) and MRV (Machine Readable Visa) project:* A project initiated by the govt. of Bangladesh under the dept. of Immigration and Passport. (in 2010)

Personal Information:

61 years old (date of birth 3rd. January 1963) Bangladeshi Muslim. Wife is a Bangladeshi housewife. 2 sons are of 30 and 29 years old and one daughter of 18 years old.

Languages:

Fluent in English and Bengali.

Honors and Awards:

- *Marquis Who's Who* has selected the *Biographical Profile* to print in its 18th edition of "Who's Who in the World" in 2001, (the first edition of the 21st century).
- **Research Award Recipient**, (*One Million Yen Hori Foundation*, Nagoya, Japan, 1999-2000.
- **Ministry of Education and Culture Japan, Monbusho Scholarship (MEST), Recipient**, October 1996 –March 2001

Country Visited:

China, France, Japan, USA, Singapore, Thailand, Hong Kong, India and Saudi Arabia.

Referees:

- **Prof. Dr. Abdur Razzaque**, Chairman, Department of Computer Science and Engineering, University of Dhaka, Dhaka-1000, Bangladesh. Email: razzaque@du.ac.bd, Cell Phone: +880 1841 066 390

- **A F M Yusuf Haider**, PhD, Professor and Chairperson, Department of Mathematics and Natural Sciences, BRAC University, Kha 224 Bir Uttam Rafiqul Islam Avenue Merul Badda, Dhaka–1212 Bangladesh. Email: yusuf.haider@bracu.ac.bd.
- **Prof. Dr. Farruk Ahmed**, Department of Computer Science, Independent University of Bangladesh, Independent University, Plot 16, Block B, Aftabuddin Ahmed Road Bashundhara Residential Area, Dhaka 1229, Bangladesh. (*Teacher and M.Sc. Thesis Supervisor*), farruk60@gmail.com
- **Prof. M. Lutfur Rahman**, Vice Chancellor, Daffodils International University, Daffodil Smart City (DSC), Birulia, Savar, Dhaka-1216, Bangladesh. (*Teacher and Colleague*), lrahman@daffodilvarsity.edu.bd
- **Prof. Dr. Toyohisha Kaneko** (Retired), Department of Electronics and Information Sciences, Totohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi, 441-8580, Japan. (Ph.D. Thesis Supervisor). Email: kaneko_toyo@nifty.com

Research Interest:

- **Image Processing:** *Plant disease detection (Texture Analysis), Stereo Correspondence Estimation (Computer Vision)*
- **Computer Graphics:** *Soft-tissue deformation modeling, Reconstructing 3D shape from video-captured image, Polygonal Mesh Simplification, 3D-2D Image Registration, Human face recognition and expression detection*
- *etc.*

Publications:

Book/Book Chapter:

- Asadullah Al Galib, Mohammad Mohaimanur Rahman, Md. Haider Ali et al, **Inference of Gene Regulatory Network (GRN) from Gene Expression Data Using K-Means Clustering and Entropy Based Selection of Interactions**, *Publication: Springer eBook, Publisher: Springer Nature*, Date: Jan 1, 2022
- Dr. Md. Haider Ali and Ahmed Samsul Arefin, **Fundamentals of Computer and Information Technology**, *Gyankosh Prokashoni, Bangladesh*, May 2009, ISBN 984-70277-0041-1.
- Emon Kumar Dey, Mohsin Khan and Md Haider Ali, **Computer Vision-Based Gender Detection from Facial Image**, *LAP LAMBERT Academic Publishing*, 15th July, 2013.
- Karishma Mohiuddin, Mirza Mohtashim Alam, Amit Kishor Das, Md Tahsir Ahmed Munna, Shaikh Muhammad Allayear, Md Haider Ali, **Haar Cascade Classifier and Lucas–Kanade Optical Flow Based Realtime Object Tracker with Custom Masking Technique**, *Springer, Cham*, December 2018. ISBN 978-3-030-03404-7
https://link.springer.com/chapter/10.1007/978-3-030-03405-4_27

Journal Papers:

1. Muhammad Aminur Rahaman, Md Haider Ali and Md Hasanuzzaman, **Real-time Computer Vision-based Gestures Recognition System for Bangla Sign Language using Multiple Linguistic Features Analysis**, *International Journal of Multimedia Tools and Applications*, Springer US, pp. 1-34, 19th August 2023. DOI: 10.1007/s11042-023-15583-8
<https://link.springer.com/article/10.1007/s11042-023-15583-8>
2. Md. Abdul Mannan Mondal and Mohammad Haider Ali, **Self-Guided Stereo Correspondence Estimation Algorithm**, *International Journal of Image and Graphics (IJIG)*, Vol. 21, No. 3, (2021) pp. 2150028-1 to 2150028-26, World Scientific Publishing Company, USA.
<https://www.worldscientific.com/worldscinet/ijig>
3. Md. Abdul Mannan Mondal and Mohammad Haider Ali, **Disparity of Stereo Images by Self-Adaptive Algorithm**, *International Journal of Advanced Computer Science and Applications (IJACSA)*, pp. 441-454, Vol. 11, No. 5, 2020.
["https://thesai.org/Publications/ViewPaper?Volume=11&Issue=5&Code=IJACSA&SerialNo=58"](https://thesai.org/Publications/ViewPaper?Volume=11&Issue=5&Code=IJACSA&SerialNo=58)
["SerialNo=58"](https://thesai.org/Publications/ViewPaper?Volume=11&Issue=5&Code=IJACSA&SerialNo=58)
4. Muhammad Aminur Rahaman, Mahmood Jasim, Md Haider Ali, Md Hasanuzzaman, **Bangla Language Modeling Algorithm for Automatic Recognition of Hand-Sign-Spelled Bangla Sign Language**, *Front. Comput. Sci., (Higher Education Press and Springer-Verlag GmbH Germany, part of Springer Nature, 2019)*, Vol. 14, No. 3, December 2019.
<https://link.springer.com/article/10.1007/s11704-018-7253-3>
5. Md. Abdul Mannan Mondal and Mohammad Haider Ali, **Stereo Correspondence Estimation by Two-Dimensional Real Time Spiral Search Algorithm**, *International Journal of Engineering and Advanced Technology (IJEAT)*, pp. 96-103, Volume-9, Issue-5, June 2020.
<https://www.ijeat.org/wp-content/uploads/papers/v9i5/D8592049420.pdf>
6. Muhammad Aminur Rahaman, Mahmood Jasim, Md Haider Ali, Tao Zhang, Md Hasanuzzaman, **A real-time hand-signs segmentation and classification system using fuzzy rule based RGB model and grid-pattern analysis**, *Front. Comput. Sci., (Higher Education Press and Springer-Verlag GmbH Germany, part of Springer Nature)*, pp. 1258-1260, Vol. 12, No. 6, 2018.
<https://link.springer.com/article/10.1007%2Fs11704-018-7082-4>
7. Md. Abdul Mannan Mondal and Md. Haider Ali, **Performance Review of the Stereo Matching Algorithms**, *American Journal of Computer Science and Information Engineering*. Vol.4, No. 1, 2017, pp. 7-15. <http://www.aascit.org/journal/ajcsie>
8. Muhammad Aminur Rahaman, Mahmood Jasim, Md. Haider Ali and Md. Hasanuzzaman, **A Real-Time Appearance-Based Bengali Alphabet and Numeral Signs Recognition System**, *Dhaka University Journal of Applied Science & Engineering*, Vol. 4, No. 1, pp. 19-26, January, 2017.
9. Md. Abdul Mannan Mondal and Md. Haider Ali, **Disparity Estimation by a Real Time Approximation Algorithm**, *International Journal of Image Processing (IJIP)*, Vol. 10, Issue 3, July 2016. <http://www.cscjournals.org/library/manuscriptinfo.php?mc=IJIP-1076>

10. Emon Kumar Dey, Mohsin Khan and Md Haider Ali, **Computer Vision-Based Gender Detection from Facial Image**, *International Journal of Advanced Computer Science*, Vol. 3, No. 8, pp. 428-433, Aug., 2013. <http://www.ijpg.org/index.php/IJACSci/article/view/507>
11. Sheikh Mohammad Sarwar, Md. Mustafizur Rahman, Md. Haider Ali and Ashique Mahmood Adnan, **A Scalable Image Snippet Extraction Framework for Integration with Search Engines**, *Computer and Information Science*, Vol. 6, No. 1, pp. 89-99, January 2013. Published by Canadian Center of Science and Education.
12. Md. Safiuddin Sheikh and Md. Haider Ali, **Straight Polygon Simplification of 3D Graphical Models**, *International Journal of Pure and Applied Sciences and Technology*, Vol. 13, Issue 2, pp. 26-31, December 2012.
13. Nurul Ahad Tawhid, Nasir Uddin Laskar and Md. Haider Ali, **A Vision-based Facial Expression Recognition and Adaptation System from Video Stream**, *International Journal of Machine Learning and Computing*, Vol. 2, No. 5, pp. 535-539, October, 2012. <http://www.ijmlc.org/papers/183-C00014-001.pdf>
14. Shuvra Chakraborty and Md. Haider Ali, **Iris Texture Recognition with DCT Compression for Small Scale System**, *Journal of Computing*, Vol. 4, Issue 11, pp. 20-27, November 2012. <https://www.journalofcomputing.org>
15. Md. Aktaruzzaman, Bulbul Ahmed, Md. Haider Ali and S.M. Azharul Islam, **Rotation Invariant Object Detection Using Circular Features**, *Jahangirnagar University Journal of Science*, Vol. 35, No. 1, pp. 23-39, 2012.
16. A S Md. Mokarrom Hossain, Shaily Kabir and Md. Haider Ali, **Video Conferencing over Very Narrow Band Internet Using Image Metamorphosis**, *Dhaka University Journal of Applied Science & Engineering*, University of Dhaka, Vol. 1, No. 2, pp. 147-150, January 2011.
17. Md. Saiful Islam and Md. Haider Ali, **A Miniature-Based Image Retrieval System**, *Dhaka University Journal of Science*, University of Dhaka, Dhaka – 1000, Bangladesh, Vol. 57(2), pp. 187-191, July, 2009.
18. Md. Alamgir Hossain and Md. Haider Ali, **Three-Dimensional Shape Reconstruction in Medical Imaging**, *Dhaka University Journal of Science*, University of Dhaka, Dhaka – 1000, Bangladesh, Vol. 57(1), pp. 7-10, January, 2009.
19. Shaily Kabir and Md. Haider Ali, **A Heuristic Approach of Establishing the Relationship between Full Width Half Maximum (FWHM) and Human Facial Shape Distortion in Image Metamorphosis**, *Dhaka University Journal of Science*, University of Dhaka, Dhaka – 1000, Bangladesh, Vol. 56(1), pp. 51-56, January, 2008.
20. Ali Md. Haider, **Optimized Camera Positioning Technique in Human Facial Texture Mapping**, *Dhaka University Journal of Science*, University of Dhaka, Dhaka–1000, Bangladesh, Vol. 56(1), pp. 39-44, January, 2008.

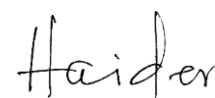
21. Pushpita Nomani Tumpi, Wahid Raihanur Rahman and Md. Haider Ali, **An Efficient Facial Expression Detection System**, *International Journal of Machine GRAPHICS and VISION (MGV)*, Institute of Fundamental Technological Research, Poland Academy of Science, Warsaw, Poland. *MGV* vol. 16, no. 3/4, pp. 377-399, 2007. <http://www.ipipan.waw.pl/MGV/MGV16.html>
22. Md. Saiful Islam and Md. Haider Ali, **Content Based Image Indexing for Sub-Image Retrieval**, *Journal of Computer Science*, Faculty of Computer Science, IBAIS University of Bangladesh, Vol. 1, No. 2, pp. 67-76, December 2007.
23. Md. Haider Ali, Israt Rahman Sami, Mahzabeen Islam and Mohammad Shahiduzzaman, **Mathematical Morphology Based Automated Control Point Detection from Human Facial Image**, *International Journal of Machine GRAPHICS and VISION (MGV)*, Institute of Fundamental Technological Research, Poland Academy of Science, Warsaw, Poland, *MGV* vol. 16, no. 1/2, pp. 153-170, 2007. <http://www.ipipan.waw.pl/MGV/MGV16.html>
24. S.M. Ashraful Kadir, Tazrian Khan and Md. Haider Ali, **Human Facial Soft-Tissue Modeling using Finite Element Method**, *Dhaka University Journal of Science*, University of Dhaka, Dhaka – 1000, Bangladesh, Vol. 55(2), pp. 237-242, July 2007.
25. Syed Monowar Hossain and Md. Haider Ali, **A Hybrid Method of Data Hiding into Digital Images**, *Dhaka University Journal of Science*, University of Dhaka, Dhaka–1000, Bangladesh, Vol. 55(2), pp. 203-210, July 2007.
26. Ali Md. Haider, and Toyohisa Kaneko, **Automated 3D-2D Projective Registration of Human Facial Images Using Edge Features**, *International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI)*, World Scientific Publishing Company, USA, Vol.15, No.8, pp. 1203-1276, 2001. <http://dblp.uni-trier.de/rec/bibtex/journals/ijprai/HaiderK01>
27. Ali Md. Haider, and Toyohisa Kaneko, **Reconstruction of Human Hair Shape from Video Captured Images and CT Data**, *International Journal of Machine GRAPHICS and VISION*, Institute of Fundamental Technological Research, Poland Academy of Science, Warsaw, Poland, Vo.10, No.1, pp. 3-14, 2001. <http://www.ipipan.waw.pl/MGV/MGV10.html>
28. Ali Md. Haider, and Toyohisa Kaneko, **Automatic Reconstruction of 3D Human Face from CT and Color Photographs**, *IEICE transactions on Information and Systems*, The Institute of Electronics, Information and Communication Engineers, Japan, Vol. E82-D, No.9, pp. 1287-1293, September, 1999.
29. Ali Md. Haider, Eiji Takahashi, and Toyohisa Kaneko, **A 3D Face Reconstruction Method from CT Image and Color Photographs**, *IEICE transactions on Information and Systems*, The Institute of Electronics, Information and Communication Engineers, Japan, Vol. E81-D, No.10, pp. 1095-1102, October, 1998.
30. Md. Imam Hossain, Abu Taher and Md. Haider Ali, **Design and Development of a Timing Channel Analyzer**, *SUST STUDIES*, Shahjalal University of Science and Technology, Vol. 1, No. 1, pp. 7-16, April, 1996.

Conference Papers:

1. Asadullah Al Galib, Mohammad Mohaimanur Rahman, Md. Haider Ali & Eusra Mohammad, **Inference of Gene Regulatory Network (GRN) from Gene Expression Data Using K-Means Clustering and Entropy Based Selection of Interactions**, *International Conference on Bangabandhu and Digital Bangladesh. ICBBD 2021*, pp 106–120. Communications in Computer and Information Science, vol 1550. Springer, Cham. https://doi.org/10.1007/978-3-031-17181-9_9
2. Muhammad Aminur Rahaman, Md Mahin, Md Haider Ali and Md Hasanuzzaman, **BHCDR: Real-Time Bangla Handwritten Characters and Digits Recognition using Adopted Convolutional Neural Network**, *1st International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT)*, pp. 1-6, Dhaka, Bangladesh, May 2019. <https://ieeexplore.ieee.org/document/8934476>
3. Karishma Mohiuddin, Mirza Mohtashim Alam, Amit Kishor Das, Md Tahsir Ahmed Munna, Shaikh Muhammad Allayear, Md Haider Ali, **Haar Cascade Classifier and Lucas–Kanade Optical Flow Based Realtime Object Tracker with Custom Masking Technique**, *Future of Information and Communication Conference (FICC-2018)*, pp. 398-410, Singapore, April 2018. https://link.springer.com/chapter/10.1007/978-3-030-03405-4_27
4. Mirza Mohtashim Alam, Md. Kabirul Islam, Karishma Mohiuddin, Md. Shamsul Kaonain, Amit Kishor Das and Md. Haider Ali, **A Reduced Feature Based Neural Network Approach to Classify the Category of Students**, *ICIAI '18 Proceedings of the 2nd International Conference on Innovation in Artificial Intelligence*, pp. 28-32, Shanghai, China — March 09 - 12, 2018, doi: 10.1145/3194206.3194218. <https://dl.acm.org/doi/pdf/10.1145/3194206.3194218>
5. Nahid Quader, Md. Osman Goni, Dipankar Chaki [HYPERLINK "https://www.researchgate.net/profile/Dipankar_Chaki"](https://www.researchgate.net/profile/Dipankar_Chaki) Chaki and Md. Haider Ali, **A Machine Learning Approach to Predict Movie Box-Office Success**, *Proceedings of 20th International Conference on Computer and Information Technology (ICCIT2017)*, Paper ID: 346, University of Asia Pacific, 74A Green Road, Dhaka-1215, Bangladesh, 22–24th December 2017.
6. Nusrat Jahan Suha, Tabib Ibne Mazhar, Dipankar Chaki and Md. Haider Ali, **Spinal Cord Injured (SCI) Patients' Length of Stay (LOS) Prediction Based on Hospital Admission Data**, *3rd International Conference on Electrical Information and Communication Technology (EICT2017)*, 7-9 December 2017, Khulna, Bangladesh.
7. Tahjid Ashfaque Mostafa, Jia Uddin, Md. Haider Ali, **Abnormal Event Detection in Crowded Scenarios**, *3rd International Conference on Electrical Information and Communication Technology (EICT2017)*, 7-9 December 2017, Khulna, Bangladesh.
8. H_M_Hasan, Falguni_Sanyal, Dipankar_Chaki and Md. Haider Ali, **An Empirical Study of Important Keyword Extraction Techniques from Documents**, *International Conference on Intelligent Systems and Information Management (ICISIM 2017)*, At Department of CSEIT, MGM's Jawaharlal Nehru Engineering College, Aurangabad- 431003, MS, India, October 2017.
9. Erfan Ahmed, Md. Asad Uzzaman Sazzad, Md. Tanzim Islam, Muhitun Azad and Md. Haider Ali, **Challenges, Comparative Analysis and a Proposed Methodology to Predict Sentiment from Movie Reviews Using Machine Learning**, *International Conference on Big Data Analytics and Computational Intelligence (ICBDACI – 2017)*, Andhra Pradesh, India, 23-35th March, 2017.

10. Zarreen Naowal Reza, Faiza Nuzhat, Nuzhat Ashfat Mahsa and Md. Haider Ali, **Detecting Jute Plant Disease Using Image Processing and Machine Learning**, *3rd ICEEICT 2016* (This paper is a content of IEEE Xplore Digital Library. Republication/redistribution is prohibited.), MIST, Dhaka, Bangladesh, September 2016.
11. Muhammad Aminur Rahman, Mahmood Jasim, Md. Haider Ali and Md. Hasanuzzaman, **Computer Vision Based Bengali Sign Language Recognition using Contour Analysis**, *Proceedings of 18th International Conference on Computer and Information Technology (ICCIT2015)*, Dhaka, Bangladesh, December 2015.
12. Muhammad Aminur Rahaman, Mahmood Jasim, Tao Zhang, Md Haider Ali, Md Hasanuzzaman, **Real-time Bengali and Chinese numeral signs recognition using contour matching**, *IEEE International Conference on Robotics and Biomimetics (ROBIO)*, pp. 1215-1220, Zhuhai, China, December 6-9, 2015. <https://ieeexplore.ieee.org/abstract/document/7418937>
13. Muhammad Aminur Rahman, Mahmood Jasim, Md. Haider Ali and Md. Hasanuzzaman, **Real-Time Computer Vision Based Bengali Sign Language Recognition**, *Proceedings of 17th International Conference on Computer and Information Technology (ICCIT2014)*, pp. 159-163, Daffodil International University, Sukrabad, Dhaka-1207, Bangladesh, 22–23th December 2014.
14. Kaeser Md. Sabrin and M. Haider Ali, **An Intelligent Pixel Replication Technique by Binary Decomposition for Digital Image Zooming**, *Proceedings of the 26th Image and Vision Computing New Zealand Conference (IVCNZ 2011)*, P. Delmas, B. Wuensche, J. James, Eds., Auckland, New Zealand, pp. 547 - 552, 29 Nov–1 Dec, 2011. <http://arxiv.org/pdf/1405.3195.pdf>
15. Md. Abdul Mannan Mondal and Md. Haider Ali, **On Stereo Correspondence Estimation: A Spiral Search Algorithm**, *International Conference on Signal and Information Processing (ICSIP 2010)*, IEEE Catalog Number: CFP1095L-ART, Changsha, China, pp. 204-207, December 2010.
16. Md. Abdul Mannan Mondal and Md. Haider Ali, **Disparity Estimation by Reverse Fuzzyfication**, *International Conference on Signal and Information Processing (ICSIP 2010)*, IEEE Catalog Number: CFP1095L-ART, Changsha, China, pp. 234-237, December 2010.
17. Kaeser Md. Sabrin, T. Zhang, S. Chen, M.N.A. Tawhid, M. Hasanuzzaman, Md. Haider Ali and H. Ueno, **An Intensity and Size Invariant Real Time Face Recognition Approach**, *International Conference on Image Analysis and Recognition (6th ICIAR)*, July 6-8, 2009, Halifax, Canada and **Lecture Notes in Computer Science, LNCS-5627**, pp 502-511, Springer-Verlag, 2009. <http://www.springerlink.com/content/901876845j36067v/>
18. Md. Haider Ali, **Volume Preserving Deformation Modelling of Human Facial Soft-Tissue**, *ASIAGRAPH 2007*, Vol. 1 No.2, pp. 167-178, October 11-14, 2007, UDX Akhibabara, Tokyo, Japan, <http://www.asiagraph.jp/2007/english/>
19. Md. Haider Ali, Masum Billah and Soheli Farhana, **Pedestrian Navigation Simulation in Virtual Environment**, *Proceedings of the 2nd International Conference on Asian Simulation and Modeling (ASIMMOD)*, January 9-11, 2007, Chiang Mai, Thailand. <http://www.mcc.cmu.ac.th/ASIMMOD2007/>

20. Shaily Kabir and Md. Haider Ali, **A Heuristic Approach of Establishing the Relationship between Full Width Half Maximum (FWHM) and Human Facial Shape Distortion in Image Metamorphosis**, *Proceedings of 8th International Conference on Computer and Information Technology (ICCIT2005)*, pp. 159-163, Islamic University of Technology, Gazipur – 1704, Bangladesh, 28–30th December 2005.
21. Md. Haider Ali, Md. Akteruzzaman and Mohammad Abu Nawar Siddique, **Three-Dimensional Shape Reconstruction in Medical Imaging**, *Proceedings of 8th International Conference on Computer and Information Technology (ICCIT2005)*, pp. 170-174, Islamic University of Technology, Gazipur – 1704, Bangladesh, 28–30th December 2005.
22. S.M. Ashraful Kadir, Tazrian Khan and Md. Haider Ali, **Fasial Soft-Tissue Modeling using Finite Element Method**, *Proceedings of 7th International Conference on Computer and Information Technology (ICCIT2004)*, BRAC University Dhaka, Bangladesh, December, 2004.
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