

۱- مشخصات فردی



نام : محسن

نام خانوادگی: ابراهیمی مقدم

نام پدر : محمد

تاریخ تولد: ۱۳۵۵/۳/۱۱

شماره شناسنامه : ۲۱۲۶

محل صدور : تهران

وضعیت تاهل: متاهل

۲- شغل فعلی

دانشیار گروه کامپیوتر - دانشکده مهندسی برق و کامپیوتر - دانشگاه شهید بهشتی - از

تاریخ ۳۱-۶-۱۳۸۵ تا کنون

۳- مدارک تحصیلی

سال پایان	سال شروع	محل تحصیل	رشته تحصیلی	مقطع تحصیلی
۱۳۷۷	۱۳۷۳	دانشگاه صنعتی شریف - تهران	مهندسی کامپیوتر	کارشناسی
۱۳۷۹	۱۳۷۷	دانشگاه صنعتی شریف - تهران	مهندسی کامپیوتر	کارشناسی ارشد
۱۳۸۵	۱۳۸۰	دانشگاه صنعتی شریف - تهران	مهندسی کامپیوتر	دکتری

۴- جوایز و افتخارات

• کسب عنوان برترین دانشمند جوان ایران در سال ۲۰۱۴ توسط ناشر Elsevier مبتنی

بر نرخ انتشار مقالات و ارجاع به مقالات منتشر شده در پایگاه scopus

• کسب عنوان پژوهشگر برتر دانشکده مهندسی برق و کامپیوتر در سال ۱۳۹۳

- کسب عنوان استاد برتر دانشکده مهندسی برق و کامپیوتر در سال ۱۳۹۲
- کسب عنوان پژوهشگر برگزیده دانشکده مهندسی برق و کامپیوتر در سال ۱۳۸۸
- کسب عنوان مدیر نمونه در دانشگاه شهید بهشتی در سال ۱۳۸۷
- کسب عنوان سوم در مسابقات جهانی *Robocup 2000* در کشور استرالیا در قالب تیم دانشگاه صنعتی شریف در بخش روباتهای اندازه متوسط
- کسب عنوان قهرمانی مسابقات *RoboCup European ChampionShips 2000* (Amsterdam, Netherlands) در قالب تیم دانشگاه صنعتی شریف
- کسب عنوان نفر هفتم کنکور کارشناسی ارشد در سال ۱۳۷۷
- کسب عنوان نفر اول آزمون دکتری دانشگاه شریف - مهندسی کامپیوتر ۱۳۸۰

۴-مقالات پژوهشی

Journal Papers

- S.Saadat, M.Ebrahimi Moghaddam, M. Mohammadi, *A New Approach for Copy-Move Detection Based on Improved WLD Features*, journal of Forensic sciences, article in press, 2014.
- B.Helli, M.Ebrahimi Moghaddam, *An Off-line Cheque Handwritten Forgery Detection Based on Feature Route Density Matrix*, Pattern analysis and application journal, DOI: 10.1007/s10044-014-0372-z, 2014.
- M.Faghih, M.Ebrahimi Moghaddam, *Multi-objective optimization based color constancy*, Applied Soft Computing Journal, Elsevier, vol 17, pp 52-66, 2014.
- S. Sadeghi Ram, M.Ebrahimi Moghaddam, *A Persian writer Identification method using swarm-based feature selection approach*, International journal of biometrics, inderscience, vol 6 , No 1, pp 53-74, 2014.
- M.Ebrahimi Moghaddam, N.Neamti, *A robust color image watermarking technique using Modified Imperialist Competitive Algorithm*, Forensic science international journal, Elsevier, vol 233, pp 193-200, 2013.
- M.Faghih, M.Ebrahimi Moghaddam, *A Two Level classification based color constancy*, Signal, Image and video processing journal, DOI 10.1007/s11760-013-0574-7, 2013.
- M.Faghih, Z.khosravi Nia, M.Ebrahimi Moghaddam, *A new color constancy algorithm based on automatic determination of Gray framework parameters using neural network*, Sadhana Academy Journal (ISI), 10.1007/s12046-014-0234-9, Springer, 2013.

- M.Faghih, M.Ebrahimi Moghaddam, *Neural gray: A Color Constancy Technique using Neural Network*, Color research and application journal, John Wiley, DOI: 10.1002/col.21848, 2013.
- M.Rahimi, M.Ebrahimi Moghaddam, *A Content Based Image retrieval system based on color ton distribution descriptors*, signal, image and video processing journal, DOI 10.1007/s11760-013-0506-6, 2013.
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- S.Ghandali, M.Ebrahimi Moghaddam, M.J. Khosravi, *A new system for offline signature identification and verification*, International Journal signal and Imaging system (IJSISE), vol 5, No 2, pp 123-131, 2012..
- M.Faghih, M.Ebrahimi Moghaddam, *SOMM: A New Service Oriented Middleware for Generic Wireless Multimedia Sensor Networks Based On Code Mobility*, to be published in Sensors Journal.
- M.Ebrahimi Moghaddam, M.R. Bnyadi, *An Immune-based Genetic Algorithm with Reduced Search Space Coding for Multiprocessor Task Scheduling Problem*, International Journal of Parallel Programming (IJPP), Springer, DOI 10.1007/s10766-011-0179-0, 2011.
- S.Ebrahimnezhad, H.Jalal Kamali, M.Ebrahimi Moghaddam, *Extending Coverage and Lifetime of K-coverage Wireless Sensor Networks Using Improved Harmony Search*, Sensors & Transducers journal (ISSN 1726-5479), Vol.130, Issue 7, July 2011, pp.61-76.
- S.kiani, M.Ebrahimi Moghaddam, *A multipurpose watermarking technique based on new fractal image coding*, Systems and software journal Elsevier, vol 84, issue 9, September 2011, pp 1550-1562, doi: 10.1016/j.jss.2011.3.019 .
- T.Akhavan, M.Ebrahimi Moghaddam, *A Color Constancy method based on fuzzy measures and Integrals*, OPTICAL REVIEW journal, Vol. 18, No. 3 (2011), pp 273–283.
- M.Bonyadi, M.Ebrahimi Moghaddam, *A non uniform high quality Image compression method to preserve user specified compression ratio*, International Journal of Image processing and Graphics (IJIG), vol 11, no 3, July 2011.
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- B.helli, M.Ebrahimi Moghaddam, *An offline, text independent Persian writer identification method*, Accepted to be published in the International Journal of Artificial Intelligent Tools (IJAIT), world scientific.

- H.Rahmani, R.Mortezaiee, M.Ebrahimi Moghaddam, *A new Robust watermarking technique to increase image security*, Article in Press, Eurasip Journal of Advanced Signal Processing.
- H.Rahmani, M.Bonyadi, A.Moemeni, M.Ebrahimi Moghaddam, M.Abbaspur, *Hardware implementation of a new genetic disk scheduling method*, to be published in Real Time systems Journal , Springer.
- M.Bonyadi, H.Rahmani, M.Ebrahimi Moghaddam, *A genetic based disk scheduling method to decrease makespan and missed tasks*, Information systems Journal (Elsevier), volume 35, issue 7, pp 791-803, 2010.
- M.Nikooghadam, A.Zaker, M.Ebrahimi Moghaddam, *Efficient utilization of elliptic curve cryptosystem for hierarchical access control*, systems and software journal (Elsevier), vol 83, issue 10, pp 1917-1929, October 2010.
- H.Rahmani, M.Faghih, M.Ebrahimi Moghaddam, *A new real time disk scheduling method based on GSR algorithm*, to be published in systems and software journal (Elsevier) 2010.
- B.Helli, M.Ebrahimi Moghaddam, *A text independent Persian writer identification based on feature relation graph (FRG)*, Pattern Recognition journal (Elsevier), volume 43, issue 6, june 2010, pp: 2199-2209.
- S.Hashemi, S.Kiani, N.Nourozi, M.Ebrahimi Moghaddam, *An image contrast enhancement method based on genetic algorithm*, Pattern Recognition letters journal(Elsevier), vol 31, issue 13, pp 1816-1824, 2010.
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- B.Helli, M.Ebrahimi Moghaddam, *Writer Identification method using LCS Based classifier*, IEICE Electronic Express journal, vol 6, No 10, pp 623-629, 2009.
- M.Ebrahimi Moghaddam, *Linear Motion Blur Identification in Noisy images Using Bispectrum and Feed Forward Back Propagation Neural Networks* , International Journal of Pattern Recognition and Artificial Intelligent (IJPRAI), issue 2, volume 24, pp 281-302, April 2010.

- S.Ghandali, M.Ebrahimi Moghaddam, *A Method for Off-line Persian Signature Identification and Verification Using DWT and Image Fusion*, Journal of Multimedia, vol 4 , No 3, pp 137-134, June 2009.
- M.Bonyadi, M.Ebrahimi Moghaddam, *A Bipartite Genetic Algorithm for Multiprocessor Task Scheduling*, International journal of parallel programming, (Springer), volume 37, No 5, pp 462-487, October 2009.
- M.Ebrahimi Moghaddam, *Out of Focus Blur Estimation Using Genetic Algorithms*, journal of computer science, volume 4, issue 4, pp 298-304, 2008.
- H.Aghdasi, M.AbbassPour, M.Ebrahimi Moghaddam, and Yasaman Samei, *An Energy efficient and High-Quality Video Transmission Architecture in Wireless Video-Based Sensor Networks*, Sensors journal, volume 8, pp 4529-4559, 2008, DOI: 10.3390/s8074529
- M.Ebrahimi Moghaddam and M.Jamzad, *Motion Blur Identification in noisy images using mathematical models and statistical measures*, pattern recognition journal ,volume 40, issue 7, pp 1946-1957- 2007.
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Conference Papers

- S.Nabavi , M.Ebrahimi Moghaddam M, M.Mohammadi , *"Dynamic Augmented Reality based Four-dimensional Computed Tomography (DAR4DCT): An alternative method for four-dimentional image acquisition"* The 1st Optimization in Radiotherapy Seminar, May. 2014, Mashhad, Iran (Prized as best oral presentation)
- M.Faghih, M.Ebrahimi Moghaddam, *A new dataset for color constancy research*, Visapp conference, 2014.
- Z.Riahi, M.Ebrahimi Moghaddam, *A frame work for knowledge based image collection organization*, Visapp conference, 2014.

- K.Peivandy, M.Ebrahimi Moghaddam, *A new technique for fast image seam carving with edge preservation*, MVIP conference 2013 (In Persian language),
- M.Faghih, Z.khosravi Nia, M.Ebrahimi Moghaddam, *A new color constancy algorithm based on automatic determination of Gray framework parameters using neural network*, in CISCC conference, 2013 (in Persian language).
- M. Mohammadi, M.Ebrahimi Moghaddam, S.Saadat, *imbalanced data clustering using SVD and evolutionary techniques*, ICIS conference 2012. (in Persian language).
- P.PourAshraf, M.Ebrahimi Moghaddam, S.Bagheri shouraki, *A novel adaptive Fuzzy Model in image Retrieval*, 2nd international conference on pattern recognition applications and methods, 2012.
- F.Sardari, M.Ebrahimi Moghaddam, *A Genetic Based Generic Filter for Image Impulse Noise Reduction*, IET image processing Conference, 2012.
- A.Bagheri Khaligh, R.Raziperchikolaei, M.Ebrahimi Moghaddam, *A new method for shot classification in soccer sports video based on SVM classifier*, South West symposium on image analysis and interpretation (SSIAI), 2012
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- M.Rahimi, M.Ebrahimi Moghaddam, *A Texture Based Image retrieval approach using self organizing map pre classification*, ISSPIT 2011.
- M.Janadele, M.Ebrahimi Moghaddam, *A new method for detection copy move forgery in digital images*, International conference on signal and image processing applications (ICSIPA) 2011.
- M.Faghih, M.Ebrahimi Moghaddam, *Neural Grey Edge: Improving grey edge algorithm using neural network*, ICIP 2011.

- B.Helli, M.Ebrahimi Moghaddam, *An offline Persian handwritten forgery detection method*, IADIS CGVCVIP conference, Italy, July 2011
- H.Rahmani, M.Ebrahimi Moghaddam, *A Semi-blind Robust watermarking scheme based on most perceptually important region of image*, To be published in proceeding of International conference on Electronics and Information Engineering, August, 2010.
- R.Mortezaie, M.Ebrahimi Moghaddam, *A new lossless watermarking scheme based on fuzzy integral and DCT domain*, To be published in proceeding of International conference on Electronics and Information Engineering, Kyoto, Japan, August, 2010.
- H.Rahmani, R.Mortezaie, M.Ebrahimi Moghaddam, *A new lossless watermarking scheme Based on DCT coefficients*, to be published in proceeding of sixth international conference on Digital content, Multimedia technology and its application, Seoul, South Korea, August 2010.
- M.Rafigh, M.Ebrahimi Moghaddam, *A robust evolutionary based digital image water marking technique in DCT domain*, to be published in proceeding of seventh international conference on computer graphics, imaging and visualization, Sydney, Australia, August, August, 2010.
- T.Akhavan, M.Ebrahimi Moghaddam, *A new combining learning method for color constancy*, to be published in proceeding of international conference on image processing theory, tools and applications, Paris, France, July 2010.
- S.khodambashi, M.Ebrahimi Moghaddam *An impulse noise fading technique based on local histogram processing*, IEEE symposium on signal processing and Information Technology (ISSPIT), December 2009.
- M.Faghih, M.Ebrahimi Moghaddam, M.Abbaspur, *Modified Tinyos for Energy Efficient Image Transmission in Wireless Multimedia Sensor Networks*, International conference on sensor networks and application (SNA), September 2009.
- H.Rahmani, S.Arshad, M.Ebrahimi Moghaddam, *A Disk scheduling algorithm based on Ant colony optimization*, 8th ISCA international conference on Parallel and distributed computing and communication systems, Kentucky USA, 2009
- S.Kiani, M.Ebrahimi Moghaddam, *A fractal based image watermarking for authentication and verification*, in 2nd international conference on image and signal processing (CISP), October, 2009.
- S.Sadeghi, M.Ebrahimi Moghaddam, *A Persian Writer Identification method based on Gradient Features and Neural Networks*, in 2nd international conference on image and signal processing (CISP), October, 2009.

- E.Dehghani, M.Ebrahimi Moghaddam, *online signature verification using ANFIS*, 6th International symposium on image and signal processing and analysis, ISPA , Austeria, September, 2009.
- H.Rahmani, M.Ebrahimi Moghaddam, *An Efficient Disk Scheduling algorithm for Multimedia systems based on GSR algorithm*, in the proceeding of IEEE International Advance Computing conference, March, 2009.
- S.Kiani, M.Ebrahimi Moghaddam, *Fractal Based Digital Image Watermarking Using Fuzzy C-Mean Clustering*, proceeding of ICIME (International conference on information management and engineering), April, 2009.
- S.Kiani, M.Ebrahimi Moghaddam, *Fragile Image Watermarking Using Fractal Block Coding*, IEEE international conference in image processing (IPCV), Aug 2009.
- S.Sadeghi, M.Ebrahimi Moghaddam, *A Text Independent Persian Writer Identification Using Fuzzy Clustering Approach*, to be published in the proceeding of ICIME (International conference On information management and engineering), 2009
- S.Hashemi, S.Kiani, N.Nourozi, M.Ebrahimi Moghaddam, *An Image Enhancement Method based on Genetic Algorithm*, to be published in proceeding of ICDIP (International Conference on Digital Image Processing), Tahiland, 2009.
- N.Nourozi, M.Ebrahimi Moghaddam, *Motion Blur Identification using image derivative*, IEEE symposium on signal processing and Information Technology (ISSPIT), Bosnia, 2008.
- B.Helli, M.Ebrahimi Moghaddam, *A text independent Persian writer identification system Using LCS based classifier*, IEEE symposium on signal processing and Information Technology (ISSPIT), Bosnia, 2008.
- S.Ghandali, M.Ebrahimi Moghaddam, *A Method for Off-line Persian Signature Identification and Verification Using DWT and Image Fusion*, IEEE symposium on signal processing and Information Technology (ISSPIT), Bosnia, 2008.
- M.Sadooghi, k.Najafzadeh, M.Ebrahimi Moghaddam, *A Fast Symbolic Image Indexing and Retrieval Method Based On TSR and Linear Hashing*, IEEE symposium on signal processing and Information Technology (ISSPIT), Bosnia, 2008.
- M.Bonyadi, M.Rahimi,S.Hashemi and M.Ebrahimi Moghaddam, *A Hybrid Multiprocessor Task Scheduling Method Based on Immune Genetic Algorithm*, Qshine 2008 workshop on Artificial Intelligence in Grid Computing (AIGC) Hong Kong ,2008.

- S.Asiaban, M.Ebrahimi Moghadam, *A Frame work for bandwidth Allocation in multimedia to guarantee Qos*, ISCA 21th parallel and distributed computing and communication system (PDCSS), Neworlean, USA.
- S.Asiaban, M.Ebrahimi Moghadam, *IVJ: A Soft Real Time Scheduling Algorithm*, 14th international conference on Distributed Multimedia systems (DMS 2008), 2008.
- M.Ebrahimi Moghadam, *Out of focus blur estimation using genetic algorithm*, 15th International Conference on Systems Signals and Image processing (IWSSIP), Slovak Republic , 2008.
- M.Sadooghi, M.Ebrahimi Moghadam, *A Fast Indexing and Retrieval method for Symbolic Image Databases* , 15th International Conference on Systems Signals and Image processing (IWSSIP), Slovak Republic , 2008.
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- B.Helli, M.Ebrahimi Moghadam, *Persian Writer Identification using Extended Gabor Filter* , 5th International Conference on Image Analysis and Recognition (ICIAR), Portugal , 2008.
- H.Aghdasi, M.Abbaspour and M.Ebrahimi Moghadam, *An Energy-Efficient and High Quality MAC protocol for image Transmission in Wireless Sensor Networks*, IEEE International Conference on Circuits and systems for communications (ICCSC), shanghai, China, 2008.
- M.Ebrahimi Moghadam , *A Robust Noise Independent Method to estimate out of focus Blur*, IEEE International conference on Acoustics, speech, and Signal processing (ICASSP), Las vegas, Nevada, U.S.A, 2008.
- M.Ebrahimi Moghaddam , *A Mathematical Model to Estimate out of focus Blur*, 5th Internatioanl symposium on image and signal processing and analysis, ISPA , Istanbul, Turkey, 2007.
- M.Ebrahimi Moghaddam and M.Jamzad, *A comprehensive study to find the effect of different noise removal methods on linear motion blur parameter estimation*, IEEE 13th International Conference On System Signals and Image Processing (IWSSIP) Budapest, Hungary, 2006.
- M.Ebrahimi Moghaddam and M.Jamzad and M.Mahini, *Motion Blur identification using feed forward back propagation neural network*, IEEE International Workshop on Intelligent Computing in pattern Analysis/Synthesis, Xi'an , China , 2006.
- M.Ebrahimi Moghaddam and M.Jamzad, *Blur Identification in noisy images using radon transform and power spectrum modeling*, IEEE 12th International workshop on systems, signals and image processing, Greece, Chalkida , 2005.

- M.Ebrahimi Moghaddam and M.Jamzad, *Motion Blur Identification in noisy images using fuzzy sets*, IEEE 5th international symposium on signal processing and Information Technology, Greece, Athena, 2005.
- M.Ebrahimi Moghaddam and M.Jamzad , *Finding point spread function of motion blur using radon transform and modeling the motion length*, IEEE 4th international symposium on signal processing and Information Technology, Italy, Roma, 2004.
- M.Ebrahimi Moghaddam and M.Jamzad, *A new method to find point spread function (PSF) of motion blur*, IASTED conference on Image processing, Spain, 2004.
- M.Ebrahimi Moghaddam and M.Jamzad, *Robust Estimation of motion blur parameters*, 5th international conference on advanced pattern recognition (ICAPR), India, Calcutta, 2003.
- M.Ebrahimi Moghaddam ,M.Jamzad , *Vision based localization system for a mobile robot in RoboCup Environment*, Proceedings of the International conference on Imaging science, system, and Technology, CISST,2001, Vol.1 pp 114-119, Los Vegas, Nevada, USA, June 25-28, ۲۰۰۱.
- M.Ebrahimi Moghaddam, M.Jamzad , *Extracting brain paranchayma and lateral ventricle in MR images by morphological methods*, Proceedings of 2nd IASTED International conference on Visualization, Imaging and Image processing (VIIP 2002), pp.377-380, September 9-12, 2002.
- M.Jamzad , M.Ebrahimi Moghaddam , et.Al, *A Goal Keeper for Middle Size RoboCup*, RoboCup 2000 Robot Soccer World Cup IV, LNAI 1919, 2000.
- M.Jamzad, M.Ebrahimi Moghaddam, *Automatic Seperation of Brain in MR Images*, Sharif Research Book ,1999. (in Persian language).

- پویا بیسادی و محسن ابراهیمی مقدم، *تشبیه تصویر با استفاده از تبدیل رادون*، پنجمین کنفرانس ماشین بینایی و پردازش تصویر ایران، دانشکده مهندسی برق و کامپیوتر دانشگاه تبریز.

۵- کتابهای تالیفی

محسن ابراهیمی مقدم، *سیستم های عامل*، انتشارات پوران پژوهش، آبان ۱۳۸۶

۶- سوابق و فعالیتهای شغلی (فنی - آموزشی - پژوهشی)

مدت زمان	سمت	محل فعالیت
از شهریور ۸۵- ادامه دارد	عضو هیئت علمی دانشکده مهندسی برق و کامپیوتر	دانشگاه شهید بهشتی
از بهمن ۸۶- ادامه دارد	مدیر آموزشهای الکترونیکی	دانشگاه شهید بهشتی
آذر ۹۳- ادامه دارد	سرپرست معاونت پژوهشی دانشکده علوم و مهندسی کامپیوتر-	دانشگاه شهید بهشتی
۱ سال	مشاور فنی و اجرایی معاونت پژوهشی (قائم مقام)	مرکز تحقیقات مخابرات ایران
۱.۵ سال	معاونت فناوری	دانشگاه علم و صنعت ایران- دانشگاه مجازی
۶ سال	مدیر گروه آموزشی کامپیوتر- مدیر مرکز اطلاعات	دانشگاه علم و صنعت ایران - واحد بهشهر
۱ سال	عضو کارگروه فناوری اطلاعات	سازمان مدیریت و برنامه ریزی
۴ سال	مدیر پروژه و آنالیست	پژوهشکده الکترونیک دانشگاه صنعتی شریف
۴ سال	پیمانکار	معاونت تحقیقات و جهاد خودکفایی نداجا
از ۲ سال پیش - ادامه دارد	مشاور	مرکز مهندسی شهید رودکی
۲ سال	مدرس مدعو	دانشگاه صنعتی شریف
۱ سال	برنامه نویس و طراح	شرکت شایگان سیستم
۱ سال	برنامه نویس و طراح	شرکت شایگان جهان گستر
۱/۵ سال	مدیر پروژه	شرکت نیکسو نگر
۱ سال	مشاور و مدیر پروژه	شرکت سکه (سیستم های کنترل هوشمند)
۱ سال	مدیر پروژه	شرکت داده پردازان دوران
۱ سال	کارشناس	شرکت مشاوران شارگان

۷- زمینه های مورد علاقه در تحقیق

• پردازش تصویر و بینایی ماشین

○ تشخیص تارشدگی

○ بازسازی تصویر

○ مکان یابی مبتنی بر بینایی

○ پایگاه داده تصاویر

• سیستم های عامل

○ الگوریتم های زمان بندی

○ سیستم های عامل چندرسانه ای

○ شبکه های حسگر چندرسانه ای

• فناوری اطلاعات و سیستم های نرم افزاری

○ آموزشهای الکترونیک (روشها و استانداردها)

○ شهر الکترونیک

۸-دروس تدریس شده تا به حال در مقطع کارشناسی و ارشد

۱- ساختمان داده ها و الگوریتم ها

۲- طراحی الگوریتم ها

۳- سیستم های عامل

۴- پایگاه داده ها

۵- سیستم های عامل پیشرفته

۶- پردازش تصویر