

Majid Rabbani received his Ph.D. degree in electrical engineering from the University of Wisconsin-Madison in 1983 and joined the Kodak research laboratories in Rochester, NY, in the same year, where he retired from in 2016 with the rank of *Kodak Fellow*. Currently, he is a *visiting full professor* at the Rochester Institute of Technology (RIT).



In his role as a visiting full professor at RIT, Majid is responsible for teaching graduate and undergraduate courses and initiating research. His teaching responsibilities also involve the development of graduate courses in the area of digital signal, image and video processing.

During his 32-year career at Kodak, Majid initiated research and built the competencies and teams in three diverse technology areas new to Kodak (image compression, video processing and analysis, and image security and watermarking). In addition, from 2007-2012 he was responsible for building a world class research department in the area of semantic understanding of images and video, which he successfully carried out and led for 5 years.

During Majid's career, the various technologies developed by him and his teams have found their way into numerous Kodak products. Examples include but are not limited to the compression technology in the SV9600 Transceiver System (Emmy Award recipient), Kodak Photo CD hierarchical storage file format, Kodak Hyper Compression for storing a color facial image in the 57-byte record provided on the back of a standard credit card, space-qualified compression ASIC's used onboard the Space Imaging Ikonos satellite and Digital Globe QuickBird satellite, the Flashpix file format, digital copiers, the first commercial internet application of JPEG2000 by empowering the visualization of aerial imagery on Map Quest servers, Kodak Cineon system for scanning and editing of motion picture film, digital image signature algorithm and associated protocols in the Kodak DC5000 and DC290 cameras, stream cipher used in Kodak kiosks, proprietary compression technology used in the Kodak QT-100 and QT-150 first generation digital cameras, the invisible digital watermarking algorithm employed in the Air Force War Fighter project, video stabilization first introduced in V550 and V570 cameras and appeared in 15+ subsequent camera models, the redeye detection and correction technology used in Kodak kiosks, and the "prints from video" algorithms introduced in Kodak kiosks within the past five years.

In the 25-year period spanning 1988 to 2012, Majid assumed multiple leadership roles in representing Kodak initially at JPEG and subsequently at MPEG. In 1990, he was appointed by ISO as the technical mediator between IBM and AT&T to resolve the choice of the arithmetic coder. He was the Chairman of the *Coding Efficiency Group* (50+ scientists) of the JPEG-2000 committee from 1998-2000. He was also elected by the Digital Cinema Initiatives (DCI) Consortium as the industry expert to the *Digital Cinema Compression Experts Panel* during 2003-2004.

Rabbani is the co-recipient of the 1988 and 2005 Kodak *C. E. K. Mees Awards*, Kodak's highest research honor. In 1990, he was the co-recipient of an *Engineering Emmy Award*, for providing the image compression research, granted to Kodak in recognition of the Kodak Still-Video Transceiver System product. In 1997, he was the co-recipient of another *Emmy Engineering*

Award, for his contributions to the JPEG committee. In 2008, he was awarded the IEEE *Region 1 Technical Award* for his pioneering work in image and video compression and digital watermarking. In February of 2015, he received the *Electronic Imaging Scientist of the Year Award* granted by IS&T and SPIE for his fundamental contributions to image compression. A list of his achievements appears in his resume under the heading of **Honors and Awards**.

Rabbani has been an active educator and mentor throughout his entire career. Since the mid 1980's, he has provided training in the general area of digital imaging to Kodak senior VP's and other Kodak internal training programs and has taught numerous courses at technical societies such as IEEE, SPIE, IS&T, SMPTE, SID and SIRA, and educational institutions such as RIT, U of R, VIGC in Europe, MIT, Berkeley, and PSU. Majid has trained over 5,000 scientists and engineers in the area of digital imaging and has been honored by various awards, the most recent of which is the "*Electronic Imaging Distinguished Educator Award*," awarded by IS&T and SPIE in January of 2012 for 25 years of educational service to the electronic imaging community. Seven of his courses for NTU and SPIE have been broadcasted via satellite and five of them are currently available on CD-ROM from the SPIE catalogue for corporate training. He was asked by the US Patent and Trade Mark Office (USPTO) to spend two weeks in summers of 2007 and 2008 as the *Chief Technical Expert* to assist in planning and execution of a comprehensive training and mentoring program of patent examiners in the field of digital image and video processing. A representative sampling of his educational activities appears in the accompanying resume under the heading of **Educational and Mentoring Activities**.

His research interests span the various aspects of digital image and video processing and analysis where he has delivered 40+ keynote and plenary presentations, has published over 60 technical articles, four book chapters, and holds 44 issued patents. He is the principle author of the book *Digital Image Compression Techniques* published by SPIE Press in 1991 (which has achieved the highest sales record of SPIE publications) and the Editor of the SPIE Milestone Series on *Image Coding and Compression*, published in 1992. A comprehensive list of his patents, conference and journal publications and keynote and plenary speeches appears in the accompanying resume.

In the last 30 years, Rabbani has been actively involved in organizing and Chairing technical conferences and panels and providing service to various technical Societies. As an example, since 2013 (to present) he has served as the chair of the SPIE Fellows committee, which is responsible for the selection of the SPIE fellows. A representative list of his past and present appointments appears in this resume under the heading of **Professional Activities**.

Rabbani is a *Fellow* of IEEE (1997), a *Fellow* of SPIE (1993), a *Kodak Fellow* and *Distinguished Inventor*. He was interviewed by the *El Pais* Spanish newspaper in 2003 regarding his leadership role in JPEG2000; by the *Rochester Democrat and Chronicle* newspaper in 2001 for his contributions to digital watermarking used in digital cinema; and by the *Persian Heritage* magazine (his picture appeared on its cover page in July 2000) for his overall technical accomplishments. He was interviewed by the local CBS *Channel 8 News* in 1993 following his expert witness testimony regarding the digital enhancement of the videotape of the beating of Rodney King, which he had directed at the Los Alamos National Laboratory. For more information please refer to the accompanying resume under **Newspapers, Magazines and Television Interviews**.

Majid Rabbani – Curriculum Vitae

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Current Employment (since August of 2016)

Visiting Professor
Electrical Engineering Department
Rochester Institute of Technology
1 Lomb Memorial Drive
Rochester, NY 14623-5603

Education

Ph.D.	Electrical and Computer Engineering, 1983 University of Wisconsin-Madison Thesis Title: <i>Restoration of Nonlinearly Distorted Images</i> GPA - 4.0/4.0
M.S.	Electrical and Computer Engineering, 1979 University of Wisconsin-Madison GPA - 4.0/4.0
B.S.	Electrical Engineering, 1978 AryaMehr (now Sharif) Institute of Technology, Tehran, Iran GPA - 3.9/4.0 (Ranked 1 st , five years in a row, in the entire school of engineering)
College Entrance	Ranked 2 nd among 103,000 participants in the nationwide College Entrance Examination (<i>Concours</i>) in Iran - 1973.

Research Interests

Image and video compression research and standardization
Digital image & video processing and analysis
Computer vision and pattern recognition (CVPR)
Image security including data hiding, embedding, and encryption
Image and video enhancement, deblurring, and super-resolution

Honors and Awards (in chronological order)

- **SPIE Directors' Award** - presented to an individual who, in the opinion of the SPIE Board of Directors, has rendered a significant service of outstanding benefit to the Society (2016).
- **Electronic Imaging Scientist of the Year Award**, awarded by IS&T and SPIE *for fundamental contributions to image compression and for more than 25 years of sharing this knowledge through courses taught at EI* (2015).
- **Electronic Imaging Distinguished Educator Award**, awarded by IS&T and SPIE *for 25 years of educational service to the electronic imaging community* (2012).
- **IEEE Region 1 Technical Award** for pioneering work in *image compression and digital watermarking* (2008).
- Co-recipient of the **Kodak C.E.K. Mees Award** (Kodak's highest honor for scientific research and reporting) for the Technical Report entitled "*Kodak Robust, Invisible Watermarking: Concepts, Performance, and Applications*," (2005).
- Eastman Innovation Award Nominee for contributions to the JPEG2000 standard (2002).
- Inducted in the Kodak Inventors Gallery as a **Kodak Distinguished Inventor** for achieving the milestone of 20 issued patents (2002) – currently 44 issued patents.
- **Kodak Fellow** (2000)
- **Fellow of IEEE** – Citation: *For the development of image compression technology and products* (1998).
- **Kodak Senior Research Associate** (A rank held at that time by ~3% of Kodak researchers) (1997).
- Lifetime member of the Kodak Research Scientific Council (1997).
- Co-recipient of the **Emmy Engineering Award** granted by the National Academy of Television Arts and Sciences for contributions to and co-editorship role in the JPEG and MPEG standardization committees (1997).
- Kodak *Mittelstadt* instructor of the year award in recognition of excellence in development and teaching of digital image processing courses for the Kodak Image Science Career Development Program (1995).
- Recognition Award for the development and teaching of a course at the request of Kodak CTO on "Introduction to Digital Imaging" for 24 Kodak Senior VP's (1994).
- **Fellow of SPIE** (1993).
- Co-recipient of the **Emmy Engineering Award** (for providing image compression research) granted by the National Academy of Television Arts and Sciences to Kodak in recognition of the Kodak Still-Video Transceiver System SV9600 (1990).
- Co-recipient of the **Kodak C.E.K. Mees** award (Kodak's highest honor for scientific research and reporting) as the principle author of the Technical Report entitled "*Detective Quantum Efficiency of imaging systems with amplifying and scattering mechanisms*," (1988).
- Recognition Award for achieving the highest GPA in the entire school of engineering and graduating with honors from the EE Department at the AryaMehr University (currently Sharif University), Tehran, Iran (1978).
- Recognition Award (personally received from the Iranian Prime Minister) for achieving the 2nd rank among 103,000 participants in the nationwide College Entrance Examination (*Concours*) in Iran (1973).

Professional Activities

- Chair of the SPIE Commercial + Scientific Sensing and Imaging Symposium, Anaheim, CA, April 2017.
- Associate Editor, IEEE Transactions on Circuits and Systems for Video Technology (CSVT), (2014-2018).
- Chair of the SPIE Fellows Committee responsible for selection of Fellows (2013-2017)
- Vice President, IS&T, (2015-2017).
- Co-Chair of the SPIE Commercial + Scientific Sensing and Imaging Symposium, Baltimore, MD, April 2016.
- Short Course Chair and Co-Chair, SPIE/IS&T Electronic Imaging Symposium, (2014-2016).
- Editorial Member of SPIE eBooks (2014-2015).
- Member of the IEEE IVMSP TC (Image, Video, and Multidimensional Signal Processing Technical Committee, which oversees the ICASSP and ICIP conferences) (2010-2015)
- Member of SPIE/IS&T Electronic Imaging Symposium Steering Committee (EISC), (2010-ongoing).
- Symposium Chair, SPIE/IS&T Electronic Imaging Symposium (Symposium consisted of 23 conferences in the field of electronic imaging), Burlingame, CA, (January 2012).
- Symposium Co- Chair, SPIE/IS&T Electronic Imaging Symposium, Burlingame, CA, (January 2011).
- Member of the Program Committee of VICP, 2011-2015.
- Member of the SPIE Fellows Committee responsible for selection of Fellows (2010-2012)
- Technical Area Chair of IEEE ICIP 2019, ICIP 2018, ICIP 2016, ICIP 2015, ICIP2011, ICIP 2010, ICASSP 2016, ICASSP 2014, ICASSP 2013, ICASSP 2011.
- Conference co-chair, Visual Communication and Image Processing (VCIP) 2009, San Jose, CA, January 2009, (SPIE Vol. 7257).
- Board Member of IEEE Signal Processing Magazine (SPM), (2008-2010).
- United States Patent and Trademark Office (USPTO) invited *Chief Technical Expert*. residing on site for one week each summer (2007 and 2008) as a consultant for planning and execution of a comprehensive training program of patent examiners in the field of digital image and video processing, (2007 & 2008).
- Chair of the IEEE Rochester Signal Processing Chapter, Rochester, NY (2007).
- Chair of Western NY Image Processing Workshop, Rochester, NY, (September 2007).
- Awards Committee Chair of the VCIP 2005 and 2006 Conferences, San Jose, CA.
- Industrial Research Chair for the National Sciences and Engineering Research Council (NSERC) of Canada “Digital Cinema” Project, (2004-2009).
- Industry representative to the *Digital Cinema Compression Experts Panel* of DCI (Digital Cinema Initiatives), which selected the digital cinema compression algorithm, (2003-2004).
- Technical Chair of the VCIP Conference, Lugano, Switzerland, (July 2003).

- Tutorial Chair of ICIP, Rochester, NY, (October 2002).
- Book review: “*JPEG2000: Image Compression Fundamentals, Standards and Practice*,” Journal of Electronic Imaging, p. 286, Vol. 11, No 2, (April 2002).
- Member of the Program Committee of the IEEE Packet Video, (2000).
- Member of the IEEE IMDSP TC (Image, and Multidimensional Signal Processing Technical Committee, which oversees the ICIP and ICASSP conferences), (2000-2006).
- Chair of the Coding Efficiency subgroup (50 members) of JPEG2000 (1997-2000).
- Guest co-editor, special issue of Journal of Electronic Imaging on *Image/Video Compression and Processing for Visual Communications*, (July 1998).
- Conference co-chair, Visual Communication and Image Processing (VCIP) ‘98, San Jose, CA, January 1998, (SPIE Vol. **3309**).
- Symposium co-chair of the SPIE/IS&T Electronic Imaging, San Jose, CA, (January 1996).
- Conference co-chair “Still Image Compression: Algorithms and Technologies,” SPIE/IS&T EI Symposium, (SPIE Vol. **2418**), (January 1995).
- Organized and chaired a 2-day event at the request of the National Research Council entitled “*Maintaining and Certifying Image and Instrument Integrity*.” Co-authored the Proceedings used by the Computer Science and Telecommunications Board (CSTB) to identify research topics and allocate government funding, Washington D.C., June 15-16, 1995.
- NSF Panelist, *Signal Processing for the National Information Infrastructure (NII)*, 49-page proceedings published by the NSF, August 18-19, 1994.
- NSF NYI Panel reviewer, Washington D.C., May 3, 1994.
- Directed an image processing team in Los Alamos National Laboratory to digitally enhance the George Holliday videotape of the beating of Rodney King, Los Alamos (November 1992-March 1993). Subsequently testified as the prosecution expert witness in Federal court in LA.
- Conference co-chair “Image and Video Compression,” SPIE/IS&T EI Symposium, (SPIE Vol. **2186**), January 1994.
- Conference co-chair “Image and Video Processing,” SPIE/IS&T EI Symposium, (SPIE Vol. **1903**), January 1993.
- Conference co-chair “Image Processing Algorithms and Techniques III,” SPIE/IS&T EI Symposium, (SPIE Vol. **1657**), January 1992.
- Associate Editor, Journal of Electronic Imaging, 1991 (since its foundation)-present.
- Member of the Program Committee of VCIP, 1997-2005.
- Member of the Program Committee of DCC, 1997-present.
- Reviewer for several technical Journals such as IEEE Transactions on Image Processing, Signal Processing Letters, Optical Engineering, Journal of Electronic Imaging, IEEE Transactions on Communications, Image Communications Journal, etc.
- Member of technical committee of conferences and workshops (too many to enumerate).
- Session Chair at IEEE, SPIE and IS&T conferences since 1985 (too many to enumerate).
- Active reviewer for ICIP, VCIP, ICASSP, DCC, PCS (too many to enumerate).

Educational and Mentoring Activities

Visiting professor: RIT, EE Department, Fall 2016 - Present

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| 1. Fall 2016 | EEEE779 – Digital Image Processing |
| 2. Fall 2016 | EEEE678 – Digital Signal Processing |
| 3. Spring 2017 | EEEE781 – Image and Video Compression |
| 4. Spring 2017 | EEEE794 – Information Theory |
| 5. Spring 2017 | EEEE281 – Circuits I |
| 6. Fall 2017 | EEEE281 – Circuits I |
| 7. Fall 2017 | EEEE779 – Digital Image Processing |
| 8. Fall 2017 | EEEE678 – Digital Signal Processing |
| 9. Spring 2018 | EEEE281 – Circuits I |
| 10. Spring 2018 | EEEE781 – Image and Video Compression |
| 11. Spring 2018 | EEEE670 – Pattern Recognition |
| 12. Summer 2018 | 1-day seminar on Machine Learning |
| 13. Fall 2018 | EEEE281 – Circuits I |
| 14. Fall 2018 | EEEE779 – Information Theory |
| 15. Fall 2018 | EEEE678 – Digital Signal Processing |
| 16. Fall 2018 | EEEE781 – Image and Video Compression |

Adjunct professor: RIT, EE Department Graduate Program – 1985-1992, 2011-2016

1. *Digital Image Processing*, (graduate level course) fall semester 2015, fall semester 2014.
2. *Image and Video Compression* (graduate level course - online version), Spring semester 2016, Spring semester 2015, spring quarter 2014, summer quarter 2013.
3. *Image and Video Compression* (developed online version) winter quarter 2012-2013.
4. *Image & Video Compression* (developed the graduate course) spring quarter 2012.
5. *Information Theory* (graduate level course) winter quarter 2011-2012.
6. *Error Control Coding*, (graduate level course) 1987, 1989 & 1992.
7. *Pattern Recognition* (First time offering; developed the graduate course), 1985 & 1988.
8. *Information Theory and Coding* (First time offering; developed the graduate course), 1986.

Adjunct professor: University of Rochester, EE Department, 2012

1. *Digital Signal Processing* (EE246/446, fall semester 2012).

National Technological University (NTU) Advanced Technology Programs – 1989-2000

1. *Digital Image Compression* (Course MC891016A1), October 16 & 18, 1989.
2. *Digital Image Enhancement* (Course MC921210B1), December 10, 1992.
3. *Image and Video Compression Fundamentals and international Standards* (Course MC930422B1), April 22, 1993.
4. *Introduction to Electronic Imaging* (Course MC95051802), May 18, 1995.
5. *Introduction to Digital Image Processing* (Course MC97111292), November 12 & 19, 1997.
6. *Introduction to Electronic Imaging Systems* (Course EN00082399), August 23, 2000.
7. *Fundamentals of Wavelet Image Compression and the Emerging JPEG-2000 Standard* (Course EN00083091), August 30, 2000.

RIT Center for Imaging Science (CIS) and Technical and Education Center (T&E)

1. *Digital Image Restoration* – (1-day seminar), RIT CIS summer school, July 27, 1988.

2. *Digital Image Enhancement, Restoration and Compression* – (2-day seminar), RIT CIS 1989-1992.
3. *Digital Image Processing*– (4-day seminar), RIT T&E Center, 1998-2000.
4. *Digital Image & Video processing and Compression* – (4-day seminar), in collaboration with RIT T&E Center, VIGC, Turnhout, Belgium, 2001, 2002.
5. *Digital Image Processing* – (4-hour seminar as part of *Printing Process Identification and Image Analysis for Forensic Document Examiners*), twice a year, 2004-2018.

Portland State University (PSU) – 1995-2004

1. *Digital Image & Multimedia Compression* (3-day seminar), 1995-2001.
2. *Digital Image Watermarking & Compression* (2-day IEEE Lecture Series), 2002.
3. *Digital Image & Video Compression* (1-day IEEE Lecture Series), 2003, 2004.

MIT - 1993

Digital Image and Video Compression – 2-day invited seminar (invited by Professor Jae Lim) presented to the Consortium on Advanced Television Systems (CATS), January 11-13, 1993.

U.C. Berkeley Extension - 2003

JPEG2000: Theory and Practice – 2-day course at U.C. Berkeley Extension, March 24-25, 2003.

SPIE Educational Video/CD-ROM (currently marketed by SPIE for corporate training)

1. *Digital Image Enhancement* (5-hour video, VT558), 1993.
2. *Image and Video Compression Fundamentals and International Standards* (5-hour video, VT589), 1993.
3. *Introduction to Electronic Imaging* (5-hour video, VT051895), 1995.
4. *Introduction to Digital Image Processing* (10-hour video, VT245), 1997.
5. *Introduction to Electronic Imaging Systems* (5-hour CD-ROM, CDV064), 2000.
6. *Fundamentals of Wavelet Image Compression and the Emerging JPEG-2000 Standard* (5-hour video, VT080), 2000.

Internal to Eastman Kodak Company

- At the request of Kodak CTO, developed a 2-day class on *Introduction to Digital Imaging* for 24 Kodak Senior VP's (1994), which was also videotaped and used for corporate training.
- *Digital Image Processing* (2-day) class presented once a year to the “Image Science Career Development” Program, **1992-2004**. Majid was awarded the *Mittelstadt* instructor of the year award in 1995 for excellence in development and teaching of these courses.
- Taught courses on various topics of digital imaging at the Kodak Interplant Conference each year (1998-present).

Other Educational Activities

Additionally, Majid has taught about 50 short courses and seminars at the various SPIE, IS&T and IEEE conferences in the past 30 years. In January of 2012 he was awarded the “Electronic Imaging Distinguished Educator Award,” by IS&T and SPIE for teaching short courses in the various areas of electronic imaging at the SPIE/IS&T flagship conference, the EI Symposium, for 25 consecutive years in the period of 1988-2012. Since then, he has taught six more consecutive years at the same conference.

Patents

1. Andrew Gallagher, Jiebo Luo, and Majid Rabbani, "Determining a Stereo Image From Video," US Patent 9,113,153 (2015).
2. Andrew Kurtz, Kurt Schroeder, and Majid Rabbani, "Spectral Visible Edge Marking For Steganography or Watermarking," US Patent 8,947,744 (2015).
3. Andrew Kurtz, Kurt Schroeder, and Majid Rabbani, "Spectral Edge Marking For Steganography or Watermarking," US Patent 8,941,886 (2015).
4. Paul Kane, Sen Wang, and Majid Rabbani, "Range Measurement Using Symmetric-Coded Apertures," US Patent 8,330,852 (2012).
5. Z. Sun and Majid Rabbani, "Enhancing Image Resolution of Digital Images," US Patent 8,289,395 (2012).
6. Jiebo Luo, *et al*, "Analyzing Camera Captured Video for Key Frames," US Patent 8,031,775 (2011).
7. Aaron Deever, *et al*, "Digital Camera Using Multiple Image Sensors to Provide Improved Temporal Sampling," US Patent 7,978,239 (2011).
8. Majid Rabbani *et al*, "Image Sequence Stabilization Method and Camera Having Dual Path Image Sequence Stabilization," US Patent 7,755,667 (2010).
9. Rajan Joshi and Majid Rabbani, "Transcoding a JPEG2000 Compressed Image," US Patent 7,382,926 (2008).
10. Zhaohui Sun, Gabriel Fielding and Majid Rabbani, "Method and System For Video Filtering with Joint Motion and Noise Estimation," US Patent 7,295,616 (2007).
11. Rajan Joshi and Majid Rabbani, "Method for Transcoding a JPEG2000 Image," US Patent 7,200,277 (2006).
12. Michael Miller, Paul Jones, Jian Yang and Majid Rabbani, "Method and System for Displaying an Image," US Patent 7,075,553 (2006).
13. Thomas Stephany, Majid Rabbani, John Squilla, Donald Olson, "Method for Authenticating Animation," US Patent 6,993,162 (2006).
14. Michael Miller, Paul Jones, Jian Yang and Majid Rabbani, "Method and System for Displaying an Image," US Patent 6,985,158 (2006).
15. Paul Jones, Majid Rabbani, John Hoover, "Method and System for Determining DCT Block Boundaries," US Patent 6,895,122 (2005).
16. Majid Rabbani, Rajan Joshi, Kenneth Parulski, "Selectively Adjusting the Resolution Levels or the quality Levels of Digital Images Stored in a Digital Camera," US Patent 6,885,395 (2005).
17. Paul Jones, Chris Honsinger, Majid Rabbani, "Method and System for Embedding Message Data in a Digital Image Sequence," US Patent 6,870,931 (2005).
18. Majid Rabbani and Aaron Deever, "Digital Image Compression Utilizing Shrinkage of Wavelet Coefficients," US Patent 6,853,318 (2005).
19. Andreas Savakis, Majid Rabbani, Stephen Etz, "System and Method for Controlling Image Compression Based on Image Emphasis," US Patent 6,832,006 (2004).

20. Paul Jones, Chris Honsinger and Majid Rabbani, "System and Method for Embedding a Watermark Signal that Contains a Message Data in a Digital Image," US Patent 6,792,130 (2004).
21. Rajan Joshi, Bernard Brower, Kenneth Parulski and Majid Rabbani, "Producing a Compressed Digital Image Organized Into Layers Having Information Reating to Different Viewing Conditions and Resolution," US Patent 6,785,423 (2004).
22. Andrew Gallagher, Majid Rabbani, Edward Gindele and Robert Gray, "Method for Compressing an Image from a Sparsely Sampled Extended Dynamic Range Image Sensing Device," US Patent 6,765,611 (2004).
23. Thomas Henderson and Majid Rabbani, "Method for Compressing and Decompressing Digital having Text," US Patent 6,625,323 (2003).
24. Chris Honsinger, Majid Rabbani and Paul Jones, "Method for Efficient Rate Control," US Patent 6,356,668 (2002).
25. Paul Jones, Chris Honsinger and Majid Rabbani, "Method and Apparatus for Visually Optimized Compression Parameters," US Patent US Patent 6,349,151 (2002).
26. Chris Honsinger, Paul Jones, Majid Rabbani and James Stoffel, "Lossless Recovery of an Original Image Containing Embedded Data," US Patent 6,278,791 (2001).
27. Chris Honsinger, Majid Rabbani and Paul Jones, "Method and Apparatus for Visually Optimized Rate Control," 6,212,302 (2001).
28. Chris Honsinger and Majid Rabbani, "Method for Generating an Improved Carrier For Use in an Image Data Embedding Application," US Patent 6,044,156 (2000).
29. Jonathan Riek, Majid Rabbani and Arif Erdem, "Method and Apparatus for Encoding High Fidelity Still Images in MPEG Bitstreams," US Patent 5,987,179 (1999).
30. Majid Rabbani and Chris Honsinger, "Encoding Color Image Data for Multipass Color Printers," US Patent 5,956,467 (1999).
31. John Squilla, Omid Moghadam and Majid Rabbani, "Photographic System with Selected Area Authentication," US Patent 5,898,779 (1999).
32. Omid Moghadam, Majid Rabbani and Kevin Townsend, "Secure Photographic Systems," US Patent 5,801,856 (1998).
33. Bhavan Gandhi, Majid Rabbani and Rodney Miller, "Method and Apparatus for Suppressing Blocking Artifacts in Block-Transform Coded Images," US Patent 5,737,451 (1998).
34. Majid Rabbani, "Method and Apparatus for Reducing Quantization Artifacts in a hierarchical Image Storage and Retrieval System," US Patent 5,568,570 (1996).
35. Majid Rabbani and Paul Melnychuck, "Method and Associated Apparatus for Encoding Bitplanes for Improved Coding efficiency," US Patent 5,442,458 (1995).
36. Majid Rabbani and Craig Smith, "Electronic Camera Using Image Compression Feedback for Improved Color Processing," US Patent 5,412,427 (1995).
37. Yushing Tsai, Scott Daly and Majid Rabbani, "Image Compression with Color Interpolation for a Single Sensor Image System," US Patent 5,172,227 (1992).
38. Yushing Tsai, Kenneth Parulski and Majid Rabbani, "Compression Method and Apparatus for Single-Sensor Color Imaging Systems," US Patent 5,065,229 (1991).

39. Yushing Tsai, Kenneth Parulski and Majid Rabbani, "Compression Method and Apparatus for Single-Sensor Color Imaging Systems," US Patent 5,053,861 (1991).
40. Paul Jones and Majid Rabbani, "Delta Modulation Encoder/Decoder Method and System," US Patent 4,905,002 (1990).
41. Paul Jones and Majid Rabbani, "Differential Pulse Code Modulation scheme Incorporating a Reconstructed Value Constrainer," US Patent 4,847,866 (1989).
42. Scott Daly, Majid Rabbani and Cheng-Tie Chen, "Digital Image Compression and Transmission System Visually Weighted Transform Coefficients," US Patent 4,780,761 (1988).
43. Scott Daly, Majid Rabbani and Cheng-Tie Chen, "Adaptive Block Transform Image Coding Method and Apparatus," US Patent 4,774,574 (1988).
44. Cheng-Tie Chen, Majid Rabbani and Scott Daly, "Image Transmission System with Preview Mode," US Patent 4,774,562 (1988).

Books

1. M. Rabbani and P. W. Jones, *Digital Image Compression Techniques*, SPIE Tutorial Text Series, **TT7**, Bellingham, WA, Feb. 1991. (*This book has gone through seven printings and has sold about 7,000 copies, breaking the sales record of any SPIE publication*).
2. M. Rabbani (editor), *Selected Papers on Image Coding and Compression*, SPIE Milestone Series, **MS48**, Bellingham, WA, Apr. 1992.

Book Chapters

1. Majid Rabbani, Rajan Joshi and Paul W. Jones, "JPEG2000 Core Coding system (Part 1)" *The JPEG2000 Suite*, Schelkens *et al*, Editors, pp. 3-69. John Wiley & Sons, 2009.
2. R. Chandramouli, Nasir Memon, Majid Rabbani, "Digital Watermarking," in *The Encyclopedia of Imaging Science and Technology*, Joseph P. Hornak, Editor, Vol 1, pp. 158-172, John Wiley & Sons, 2002.
3. P. W. Jones and M. Rabbani, "JPEG Compression in Medical Imaging," in *Handbook of Medical Imaging, Volume 3. Display and PACS*, Yongmin Kim and Steven C. Hori, Editors, pp. 221-275, SPIE Press, Bellingham, WA, 2000.
4. P. W. Jones and M. Rabbani, "Digital Image Compression," in *Digital Image Processing: Fundamentals and Applications*, E. Dougherty, Editor, Marcel Dekker, New York, 1995.

Invited Presentations, Plenary or Keynote Speeches

1. Majid Rabbani (RIT MSEE Graduate Seminar Presentation), “Image Understanding” Rochester Institute of Technology, April 6, 2018.
2. Majid Rabbani (invited seminar) “Importance of Motion in Digital Video Processing” IEEE Signal Processing Society Seminar, Rochester Institute of Technology, April 4, 2017.
3. Majid Rabbani (RIT MSEE Graduate Seminar Presentation), “Motion Processing,” Rochester Institute of Technology, March 24, 2017.
4. Majid Rabbani (invited speaker), “Advances and Challenges in Image Understanding,” Presentation at the SPIE Fellows Luncheon during SPIE DCS, Baltimore, MD, April 18, 2016.
5. Majid Rabbani (invited workshop), “Advanced Image Processing,” Image Sensors (IS) Americas Conference, Berkeley, CA, November 17, 2015 (<http://www.image-sensors.com/image-sensors-americas/pre-conference-workshop>).
6. Majid Rabbani (RIT MSEE Graduate Seminar Presentation), “Image Understanding,” Rochester Institute of Technology, November 6, 2015.
7. Majid Rabbani (invited talk), “Event-Based Frameworks for Multimedia Content Management,” Penn State University EE Colloquia, February 16, 2012.
8. Majid Rabbani (2-hour invited seminar), “Understanding and Interpreting Images and Video,” VCIP Conference, Huangshan, China, July 11, 2010.
9. Majid Rabbani (plenary talk), “Understanding and Interpreting Images – An Overview,” ICSCCW, Cypress, September 2, 2009.
10. Majid Rabbani (invited talk at the request of local IS&T Chapter), “Opportunities in Video,” RIT Center for Imaging Science, September 26, 2008.
11. Majid Rabbani (invited lecture), “The JPEG2000 Wavelet Based Compression Standard,” 2-hour lecture at the US Patent and Trademark Office (USPTO), July 24, 2008.
12. Majid Rabbani (invited lecture), “Video Processing Algorithms,” 2-hour lecture at the US Patent and Trademark Office (USPTO), July 23, 2008.
13. Majid Rabbani (invited lecture), “Contrast Enhancement,” 2-hour lecture at the US Patent and Trademark Office (USPTO), July 22, 2008.
14. Majid Rabbani (invited lecture), “Image Deblurring and Sharpening Algorithms,” 3-hour lecture at the US Patent and Trademark Office (USPTO), July 19, 2007.
15. Majid Rabbani (invited lecture), “Digital Image Watermarking,” 3-hour lecture at the US Patent and Trademark Office (USPTO), July 18, 2007.
16. Majid Rabbani (invited lecture), “The JPEG2000 Compression Standard,” 3-hour lecture at the US Patent and Trademark Office (USPTO), July 17, 2007.
17. Majid Rabbani (invited talk), “Robust Invisible Watermarking,” in Frontiers In Imaging, International Congress of Imaging Science (ICIS’06), Rochester, NY, May 11, 2006.
18. Majid Rabbani (invited talk), “The JPEG2000 wavelet-based still image compression standard”, RIT Department of Mathematics and Statistics Colloquia Series, February 3, 2006.
19. Majid Rabbani (distinguished lecture), “Digital Watermarking: Technology and Applications,” SPIE Workshop on Images, Buenos Aires, November 15, 2005.

20. Majid Rabbani (plenary talk), "Robust Invisible Digital Watermarking of Images", Western New York Image Processing Workshop, RIT, September 30, 2005.
21. Majid Rabbani and Bernie Brower (invited lecture), "The JPEG 2000 Image Compression Standard: A new generation of capabilities," University of Rochester IEEE Student Branch, February 7, 2005.
22. Majid Rabbani (invited seminar), "The Emerging JPEG2000 Compression Standard: Technology and Practice," 3-hour seminar sponsored by IEEE Spain, Madrid, Sep. 19, 2003.
23. Majid Rabbani (invited lecture) "Robust Invisible Digital Watermarking of Images," 1-hour lecture at RIT Center for Imaging Science Seminar Series, March 14, 2003.
24. Majid Rabbani and Bernard Brower (invited lecture) "The JPEG2000 Wavelet-Based Still Image Compression Standard: Status Report and Implementation Demo," 90-minute lecture at the Rochester Chapter of IEEE Signal Processing Society, CEIS, February 19, 2003.
25. Majid Rabbani (invited lecture) "Invisible Digital Watermarking of Images," 1-hour lecture at the request of the Rochester Chapter of IS&T, RIT, November 13, 2002.
26. Majid Rabbani (distinguished lecture) "Invisible Digital Watermarking of Images," Center for Advanced Computer Studies, Distinguished Lecture series, UL Lafayette, Nov. 1, 2002.
27. Majid Rabbani (invited seminar) "Digital Image Watermarking" ECE Graduate Seminar Series, University of Rochester, May 2001.
28. Majid Rabbani (distinguished lecture) "Invisible Digital Watermarking of Images," IEEE Signal Processing Society Colloquia, UT-Dallas, October 26, 2001.
29. Majid Rabbani (invited talk), "A Technical Overview of the JPEG2000 Standard," ISO Meeting, Singapore, March 5, 2001.
30. Majid Rabbani (invited plenary talk), "Review of Watermarking Technologies," Photo Marketing Association (PMA), Las Vegas, Nevada, January 30, 2000.
31. Majid Rabbani (plenary talk), "Review of State-of-the-art Digital Image Watermarking Technologies", Western New York Image Processing Workshop, September 17, 1999.
32. Majid Rabbani (invited lecture), "The Emerging JPEG2000 Compression Standard" 1-hour lecture at the IEEE Colloquium, Cornell University, December 1, 1998.
33. Majid Rabbani (invited lecture), "The JPEG2000 Emerging Still-Image Compression Standard," IEEE Signal Processing Society Rochester Section, September 1997.
34. Majid Rabbani (invited panelist), "Digital Video" IEEE Rochester Section Joint Chapters Meeting, March 12, 1997.
35. Majid Rabbani (invited seminar), "Digital Image Processing," 2-hour seminar for Society for Information Display (SID) Annual Meeting, May 14, 1995.
36. Majid Rabbani (invited lecture), "Image Compression Fundamentals" SMPTE Annual Forum – "The Compression Experience", Rochester, NY, October 28, 1995.
37. Majid Rabbani (distinguished lecture), "Digital Image Compression," 1-hour lecture at Portland State University (PSU), May 26, 1995.
38. Majid Rabbani (distinguished lecture), "Digital Image Compression: Research and Standardization," 90-min lecture at University of Nevada Las Vegas (UNLV), July 28, 1994.

39. Majid Rabbani (invited seminar), "Digital Image Enhancement," 75-minute seminar for Society for Information Display (SID) Annual Meeting, June 13, 1994.
40. Majid Rabbani (guest lecture), "World Standards in Image Data Compression" IEEE Rochester Section Joint Chapters Meeting, February 5, 1992.
41. Majid Rabbani (invited lecture), "Status of World Standardization in Image Data Compression", RIT Center for Imaging Science, October 22, 1991.
42. Majid Rabbani (invited lecture), "Digital Image Compression: The New International Standards" Polytechnic University Imaging Colloquia, NYC, October 1, 1991.
43. Majid Rabbani (invited seminar), "Digital Image Compression," 2-hour seminar for Society for Information Display (SID), Las Vegas, NV, May 14, 1990.
44. Majid Rabbani (invited lecture), "Digital Image Compression" IEEE Computer Society Rochester Chapter, May 9, 1990.
45. Majid Rabbani (invited seminar), "Digital Image Restoration" RIT Electrical Engineering Seminar Series on DSP, March 31, 1987.
46. Majid Rabbani (invited seminar), "Recent Advances in Image Compression Techniques" RIT Center for Imaging Science Seminar Series, November 12, 1986.

Refereed Journal Publications

1. M. Park, J. Luo, A. Gallagher, and Majid Rabbani, "Learning to Produce 3D Media from a Captured 2D Video," *IEEE Transactions on Multimedia*, **15**(7), pp. 1569-1578, Nov. 2013.
2. M. Rabbani and Rajan Joshi (invited paper), "An Overview of the JPEG2000 Still Image Compression Standard" *Signal Processing: Image Communications*, **17**(1), pp. 3-48, Jan. 2002.
3. J. R. Price and M. Rabbani, "Biased reconstruction for JPEG decoding," *Signal Processing Letters*, **6** (12), pp. 297-299, Dec. 1999.
4. M. Rabbani and P. Melnychuck, "Conditioning contexts for the arithmetic coding of bit planes," *IEEE Trans. Signal Proc.*, **40**, pp. 232-236, Jan. 1992.
5. M. Rabbani and P. W. Jones (Invited Paper), "Image compression techniques for medical diagnostic imaging systems," *Journal of Digital Imaging*, **4**, pp. 65-78, May 1991.
6. R. L. VanMetter and M. Rabbani, "An application of multivariate moment generating functions to the analysis of signal and noise propagation in radiographic screen-film systems," *Medical Physics*, **17**, pp. 65-71, Jan/Feb 1990.
7. M. Rabbani and R. L. VanMetter, "An analysis of signal and noise propagation for several imaging mechanisms," *J. Opt. Soc. of Am. A*, **6**, pp. 1156-1164, Aug. 1989.
8. M. I. Sezan, M. Rabbani, and P. W. Jones, "Progressive transmission of images using a prediction/residual encoding approach," *Optical Eng.*, **28**, pp. 556-564, May 1989.
9. M. Rabbani, "Bayesian filtering of Poisson noise using local statistics," *IEEE Trans. Acoust. Speech and Signal Proc.*, **36**, pp. 933-937, June 1988.
10. M. Rabbani, R. Shaw, and R. VanMetter, "Detective Quantum Efficiency of imaging systems with amplifying and scattering mechanisms," *J. Opt. Soc. Am. A*, **4** pp. 895-901, May 1987.
11. M. Rabbani, L. A. Ray, and J. R. Sullivan, "Adaptive predictive coding with applications to radiographs," *Medical Instrumentation*, **20**, pp. 182-191, Aug. 1986.
12. P. D. Burns, M. Rabbani, and L. A. Ray, "Analysis of image noise due to position errors in laser writers," *Appl. Opt.*, **25**, pp. 2158-2168, July 1986.
13. M. Rabbani and B.E.A. Saleh, "Bayesian filtering of speckled images," *Optics Communications*, **53**, pp. 147-152, Mar. 1985.
14. M. Rabbani and B.E.A. Saleh, "Bayesian restoration of partially coherent imagery in conventional and scanning microscopy," *Optica Acta*, **31**, pp. 63-79, 1984.
15. M. Rabbani and B.E.A. Saleh, "Restoration of bilinearly distorted images. 3: Constrained least-squares method," *Appl. Opt.*, **22**, pp. 3549-3554, Nov. 1983.
16. B.E.A. Saleh and M. Rabbani, "Restoration of bilinearly distorted images: II. Bayesian method," *J. Opt. Soc. Am.*, **73**, pp. 71-75, Jan. 1983.
17. B.E.A. Saleh and M. Rabbani, "Restoration of bilinearly distorted images: I. Finite impulse response linear digital filtering," *J. Opt. Soc. Am.*, **73**, pp. 66-70, Jan. 1983.
18. B.E.A. Saleh and M. Rabbani, "Simulation of partially coherent imagery in the space and frequency domains and by modal expansion," *Appl. Opt.*, **21**, pp. 2770-2777, Aug. 1982.
19. B.E.A. Saleh and M. Rabbani, "Linear filtering of speckled images," *Optics Communications*, **35**, pp. 327-331, Dec. 1980.

Conference Presentations/Proceedings Publications

1. S. Sah, R. Longman, A. Shringi, R. Loce, M. Rabbani, R. Ptucha, "Detection without Recognition for Redaction", *CVPR Workshop The First International Workshop on The Bright and Dark Sides of Computer Vision: Challenges and Opportunities for Privacy and Security*, Honolulu, Hawaii, July 2017.
2. Minwoo Park, Jiebo Luo, Andrew Gallagher, Majid Rabbani, "Learning to Produce 3D Media from a Captured 2D Video," *MM '11 Proceedings of the 19th ACM international conference on Multimedia*, pp 1557-1560, December 2011.
3. Majid Rabbani and Chris Honsinger (invited talk), "Robust Invisible Watermarking," in *Frontiers In Imaging, International Congress of Imaging Science (ICIS'06)*, Rochester, NY, May 11, 2006.
4. Peter Burns, Scott Houchin, Ken Parulski, and Majid Rabbani, "Using JPEG2000 in Future Digital Cameras," *Proceedings International Congress of Imaging Science 2002*, Tokyo, SPSTJ, pp. 371, May 2002.
5. Rajan L. Joshi, Majid Rabbani, and Margaret Lepley, "Comparison of multiple compression cycle performance for JPEG and JPEG2000," *Proceedings of SPIE Applications of Digital Image Processing XXIII*, San Diego, **4115**, pp. 492-501, 31 July – 3 August, 2000.
6. K. Parulski and M. Rabbani, "The Continuing Evolution of Digital Cameras and Digital Photography Systems," *IEEE International Symposium on Circuits and Systems - ISCAS 2000*, Geneva, Switzerland, pp. V-101 to V-104, May 2000.
7. Jeffery R. Price and Majid Rabbani (Speaker), "Dequantization bias for JPEG decompression," *IEEE International Conference on Information Technology: Coding and Computing (ITCC2000)*, Las Vegas, NV, pp. 30-35, Mar. 2000.
8. Chris Honsinger and Majid Rabbani (Speaker), "Data embedding using phase dispersion," *International Conference on Information Technology: Coding and Computing (ITCC2000)*, Las Vegas, NV, Mar. 2000.
9. Majid Rabbani (invited presentation), "Overview of the state-of-the-art watermarking technologies," *PMA 2000*, Las Vegas, NV, February 2000
10. M. Rabbani, (Invited paper) "Review of the state-of-the-art watermarking technologies," *1999 Western New York Image Processing Workshop*, Rochester, NY, Sept. 1999.
11. M. Rabbani and K. Parulski (Invited paper), "Digital cameras," *IEEE Signal Processing Magazine*, **15**, pp. 28, Mar. 1998.
12. M. Rabbani (Invited paper), "Image compression: past, present, and future," *Image Tech Conference*, Atlanta, GA, Mar. 1996.
13. P. Jones, S. Daly, R. Gaborski, and M. Rabbani, "Comparative study of wavelet and DCT decompositions with equivalent quantization and encoding strategies for medical images," *Proceedings of SPIE Medical Imaging*, **2431**, pp. 571, Feb. 1995.
14. M. Rabbani and S. Dianat, "DPCM image compression using artificial neural networks," *Proceedings of SPIE, Image and Video Processing*, **1903**, Feb. 1993.
15. M. Rabbani and R. Shaw, "A parametric image simulation of a radiographic screen-film system," *Proceedings of World Congress on Medical Physics and Biomedical Engineering*, Kyoto, Japan, July 1991.

16. M. Rabbani and P. Jones (Invited Seminar), "Digital image compression," *Seminar Lecture Notes, Society for Information Display*, pp. M-5.1 - M-5.42, Las Vegas, NV, May 1990.
17. R. L. VanMetter and M. Rabbani, "Analysis of the effects of depth dependence of x-ray interactions on the MTF and NPS of radiographic screens," *Proceedings of SPIE, Medical Imaging IV*, **1231**, pp. 271-275, Feb. 1990.
18. M. Rabbani (Invited Paper), "Restoration techniques for quantum limited images," *Proceedings of the Opt. Soc. of Am. Topical Meeting on Quantum-Limited Imaging and Information Processing*, **13**, pp. 30-33, June 1989.
19. M. Rabbani (Speaker) and R. L. VanMetter, "Some new applications of multivariate moment-generating functions to screen-film systems," *Proceedings of SPIE, Medical Imaging III*, **1090**, pp. 86-94, Feb. 1989.
20. M. Rabbani (Speaker) and S. Daly, "An optimized image data compression technique utilized in the KODAK SV9600 still video transceiver," *Proceedings of SPIE, Optical Sensors and Electronic Photography*, **1071**, pp. 246-256, Jan. 1989.
21. P. W. Melnychuck and M. Rabbani, "Survey of lossless image coding techniques," *Proceedings of SPIE, Digital Image Processing Applications*, **1075**, pp. 92-100, Jan. 1989.
22. M. Rabbani (Speaker) and R. L. VanMetter, "Analysis of signal and noise propagation for several imaging mechanisms," *Annual Meeting of the Opt. Soc. of Am.*, Santa Clara, CA, Nov. 1988.
23. M. Rabbani (Speaker) and R. Shaw, "The influence of grain threshold on quantum mottle in radiographic screen-film systems II," *Proceedings of SPIE, Medical Imaging II*, **914 A**, pp. 117-127, Feb. 1988.
24. M. Rabbani (Invited Paper), "Use of local statistics in adaptive filtering of Poisson noise," *Proceedings of The 26th IEEE Conference on Decision and Control*, pp. 1210-1212, Dec. 1987.
25. M. I. Sezan, C. L. Yeh, A. M. Tekalp, M. Rabbani and P. Jones, "Application of vector quantization to progressive encoding and transmission of images," *SPIE Cambridge Symp. on Optics in Med. and Visual Image Proc.*, Oct. 1987.
26. M. Rabbani (Speaker) and R. Shaw, "The influence of grain threshold on quantum mottle in radiographic screen-film systems," *Proceedings of SPIE, Medical Imaging*, **767**, pp. 226-235, Feb. 1987.
27. M. Rabbani (Speaker), R. Shaw, and R. VanMetter, "Detective quantum efficiency of imaging systems with amplifying and scattering mechanisms," *Annual meeting of the Opt. Soc. of Am.*, Seattle, WA, Oct. 1986.
28. M. Rabbani, "Restoration of images degraded by Poisson noise," *Proceedings of the International Electronic Image Week*, **2**, pp. 769-775, Nice, France, Apr. 1986.
29. R. Shaw and M. Rabbani, "Fundamental statistical limitations to x-ray quantum detection," *Proceedings of the Opt. Soc. of Am. Topical Meeting on Quantum Limited Imaging*, pp. 59-62, Apr. 1986.
30. R. Shaw and M. Rabbani, "A comparison of physical autocorrelation and digital Wiener spectrum techniques for screen-film evaluation," *Proceedings of SPIE, Medicine XIV*, **626**, pp. 76-81, Feb. 1986.

31. R. VanMetter, P. L. P. Dillon, K. E. Huff, and M. Rabbani, "Computer simulation of radiographic screen-film images," *Proceedings of SPIE, Medicine XIV*, **626**, pp. 82-99, Feb. 1986.
32. P. Jones and M. Rabbani, "Application of adaptive delta modulation to document and text image compression," *Proceedings of the SPSE 25th Fall Symposia Imaging*, pp. 139-142, Nov. 1985.
33. M. Rabbani (Speaker), L. Ray, and J. R. Sullivan, "Low-distortion compression of radiographs," *Proceedings of Image Science '85*, **1**, pp. 99-102, Helsinki, Finland, June 1985.
34. P. L. P. Dillon, J. F. Hamilton, M. Rabbani (Speaker), R. Shaw, and R. L. VanMetter, "Principles governing the transfer of signal modulation and photon noise by amplifying and scattering mechanisms," *Proceedings of SPIE, Medicine XIII*, **535**, pp. 130-139, Feb. 1985.
35. M. Rabbani (Speaker) and B.E.A. Saleh, "Bayesian filtering of speckled images," *Annual Meeting of the Opt. Soc. of Am.*, San Diego, CA, Oct. 1984.
36. M. Rabbani (Speaker) and B.E.A. Saleh, "Bayesian restoration of partially coherent imagery in microscopy," *Annual Meeting of the Opt. Soc. of Am.*, New Orleans, LA, Oct. 1983.
37. B.E.A. Saleh and M. Rabbani (Speaker), "Bayesian restoration of partially coherent distorted images," *Annual Meeting of the Opt. Soc. of Am.*, Tucson, AZ, Oct. 1982.

Newspapers, Magazines and Television Interviews (in chronological order)

- **Information Today** Magazine interview on the status of digital watermarking technology entitled “*The Copyright Capers Continue*,” Vol. 24, No. 9, October 2007.
- **El Pais** Spanish newspaper interview regarding leadership in JPEG2000 entitled “*Majid Rabbani: Es major desarrollar estandares abiertos que propietarios*,” Madrid, Spain, October 2, 2003.
- **Democrat and Chronicle** newspaper interview article for contributions to digital watermarking used in digital cinema entitled “*Kodak builds digital trap for movie pirates*,” Rochester, NY, April 2001.
- **Persian Heritage** Magazine interview for technical accomplishments in the field of digital imaging (Majid’s picture appeared on the cover page), No 18, Washington D.C., July 2000.
- **Photo Electronic Imaging** Magazine interview regarding the Photo CD product entitled “*A Lossless Explanation of Photo CD*,” Vol. 37, No 2, 1994.
- **CBS** (Rochester local Channel 8) interview broadcasted at the Rochester CBS nightly news for directing the efforts of Los Alamos scientists in the digital enhancement of George Holliday’s video of the beating of Rodney King and Majid’s subsequent testimony as the prosecution expert witness in the Federal Court in Los Angeles, April 1993.
- **Iran Times** newspaper article regarding Majid’s expert witness testimony in Rodney King’s trial, Washington D.C., April 9, 1993.
- **Democrat and Chronicle** newspaper interview for expert witness testimony in Rodney King’s trial, Rochester, NY, March 8, 1993.