

**A  
Selected List of  
Books, Journals, CDs, Theses, Conferences  
and Internet Resources**

**on**

**Biometrics: face or finger recognition, computer graphics,  
computer vision, digital image processing, digital watermarking,  
image analysis, processing & understanding,  
pattern recognition and video compression**

**Compiled**

**By**

**Resource Centre**



**DA-IICT  
Resource Centre  
Post Bag No: 4  
Near Indroda Circle  
Gandhinagar - 382 009**

**Books, Journals, CDs, Theses, Conferences, and Internet Resources on  
Biometrics: face or finger recognition, computer graphics, computer vision,  
digital image processing, digital watermarking, image analysis, processing &  
understanding, pattern recognition and video compression**

**I Books on Biometrics: Face or Finger Recognition (Available in the RC)**

|    |  |
|----|--|
| 1. | Jain, Anil; Bolle, Ruud and Pankanti, Sharath<br><b>Biometrics: personal identification in networked society.</b><br>Boston: Kluwer Academic, 1999.<br>006.4 ANI<br>008758   |
| 2. | Li, Stan Z. (Ed.) and Jain, Anil K. (Ed.)<br><b>Handbook of face recognition.</b><br>New York: Springer, 2005.<br>006.42 LI,<br>012859   |
| 3. | Maltoni, Davide (Ed.) and Jain, Anil K. (Ed.)<br><b>Biometric authentication : ECCV 2004 International Workshop, BioAW 2004, Prague, Czech Republic, May 15th, 2004; proceedings.</b><br>New York: Springer-Verlag, 2004.<br>004 MAL<br>011936 |
| 4. | Nanavati, Samir; Thieme, Michael and Nanavati, Raj<br><b>Biometrics: Identity verification in a networked world.</b><br>New York: Wiley-Dreamtech India, 2002.<br>570.15195 NAN<br>005231  |
| 5. | Wayman, James (Ed.); Jain, Anil (Ed.) and Maltoni, Davide (Ed.)<br><b>Biometric systems: technology, design and performance evaluation.</b> London:<br>Springer, 2005.<br>006.4 WAY<br>012072  |
| 6. | Woodward, John D.; Orland, Nicholas M. and Higgins, Peter<br><b>Biometrics: Identity assurance in the information age.</b><br>New York: McGraw-Hill Osborne Media, 2003.<br>006.422 WOO<br>008513  |
| 7. | Zhang, David D.<br><b>Biometric solutions for authentication in an e-world.</b><br>Boston: Kluwer Academic, 2002.<br>621.38928 ZHA<br>008681   |

**II Books on Computer Graphics (Available in the RC)**

|    |   |
|----|---|
| 1. | Agoston, Max K.<br><b>Computer graphics and geometric modelling: implementation and algorithms.</b><br>London. Springer-Verlag, 2005.<br>006.6 AGO<br>012387      |
| 2. | Buss, Samuel R.<br><b>3D computer graphics: a mathematical introduction with OpenGL.</b><br>Cambridge: Cambridge University Press, 2003.<br>006.693 BUS<br>009415 |

|     |  |
|-----|--|
| 3.  | Egerton, P. A. and Hall, William S.<br><b>Computer graphics: Mathematical first steps.</b><br>Harlow: Prentice Hall, 1999.<br>006.6 EGE<br>006723  |
| 4.  | Foley, James D.; Van Dam, Andries; Feiner, Steven K. and Hughes, John F.<br><b>Computer graphics: principles and practice. (2<sup>nd</sup> Ed.)</b><br>Delhi: Pearson Education Asia, 2001.<br>006.6 FOL<br>000050, 000051 |
| 5.  | Hanmandlu, Madasu<br><b>Computer graphics.</b><br>New Delhi: BPB Publications, 2005.<br>006.6 HAN<br>011840  |
| 6.  | Harrington, Steven<br><b>Computer Graphics. (2<sup>nd</sup> Ed.)</b><br>New York: McGraw-Hill, 1987.<br>006.6 HAR<br>000121, 000122  |
| 7.  | Hearn, Donald<br><b>Computer Graphics. (2<sup>nd</sup> Ed.)</b><br>New Delhi: Prentice Hall of India, 2001.<br>006.6 HEA<br>000089-000092, 000870  |
| 8.  | Krishnamurthy, N.<br><b>Introduction to Computer Graphics.</b><br>New Delhi: Tata McGraw-Hill, 2002.<br>006.6 KRI<br>004328  |
| 9.  | Lengyel, Eric<br><b>Mathematics for 3D game programming and computer graphics. (2<sup>nd</sup> Ed.)</b><br>Massachusetts: Charles River Media, Inc., 2003.<br>794.816693 LEN<br>011702                                     |
| 10. | Mukherjee, Dipti Prasad<br><b>Fundamentals of computer graphics and multimedia.</b><br>New Delhi: Prentice Hall of India, 2003.<br>006.7 MUK 009084  |
| 11. | Newman, William M.<br><b>Principles of Interactive Computer Graphics.</b><br>New Delhi: Tata-McGraw-Hill, 1997.<br>006.6 NEW<br>000196 -000198   |
| 12. | Pokorny, Cornel<br><b>Computer Graphics: An Object-Oriented Approach.</b><br>New Delhi: BPB Publications, 2002.<br>006.6 POK<br>005198   |
| 13. | Rogers, David F.<br><b>Mathematical Elements for Computer Graphics.</b><br>New Delhi: Tata McGraw Hill, 2002.<br>006.6 ROG<br>004327   |

|     |  |
|-----|--|
| 14. | Rogers, David F.<br><b>Procedural Elements of Computer Graphics. (2<sup>nd</sup> Ed.)</b><br>New Delhi: Tata McGraw-Hill, 2002.<br>006.6 ROG<br>004582 |
| 15. | Shirley, Peter<br><b>Fundamentals of computer graphics.</b><br>Natick: A K Peters, 2002.<br>006.6 SHI<br>008692  |
| 16. | Vince, John<br><b>Essential Mathematics for Computer Graphics Fast.</b><br>New Delhi: Springer Verlag, 2001.<br>006.6 VIN<br>002621                    |
| 17. | Xiang, Zhigang<br><b>Theory and Problems of Computer Graphics. (2<sup>nd</sup> Ed.)</b><br>New York: McGraw-Hill, 2001.<br>006.6 XJA<br>004721         |

### III Books on Computer Vision (Available in the RC)

|    |   |
|----|---|
| 1. | Casasent, David P. (Ed.); Hall, Ernest L. (Ed.) and Roning, Juha (Ed.)<br><b>Intelligent robots and computer vision XXI: algorithms, techniques and active vision.</b><br>USA: SPIE-The International Society for Optical Engineering, 2003.<br>629.892 CAS<br>008615 |
| 2. | Faugeras, Olivier<br><b>Three-dimensional computer vision: A Geometric viewpoint. Cambridge.</b><br>The MIT Press: 1993.<br>006.37 FAU<br>007669  |
| 3. | Forsyth, David A. & Ponce, Jean<br><b>Computer vision: A modern approach.</b><br>Delhi: Pearson Education, 2003.<br>006.37 FOR<br>007325  |
| 4. | Hartley, Richard & Zisserman, Andrew<br><b>Multiple view geometry in computer vision. (2<sup>nd</sup> Ed.)</b><br>Cambridge: Cambridge University Press, 2003.<br>006.37 HAR<br>010320  |
| 5. | Majumdar, Kantilal & Jain, Anil<br><b>ICVGIP 2002: proceedings third Indian conference on computer vision, graphics and image processing.</b><br>New Delhi: Allied Publishers, 2002.<br>006.37 MAJ 012346   |
| 6. | Sebe, Nicu (Ed.); Lew, Michael S. (Ed.) and Huang, Thomas S. (Ed.)<br><b>Computer vision in human-computer interaction.</b><br>Berlin: Springer-Verlag, 2004.<br>004 SEB<br>010946  |

#### IV Books on Digital Image Processing (Available in the RC)

|    |   |
|----|---|
| 1. | Castleman, Kenneth R.<br><b>Digital image processing.</b><br>New Jersey: Prentice Hall, 1996.<br>621.381542 CAS<br>009942   |
| 2. | Chanda, Bhabatosh and Majumder, Dwijesh Dutta<br><b>Digital image processing and analysis.</b><br>New Delhi: Prentice Hall of India, 2005.<br>621.367 CHA<br>007567, 012806   |
| 3. | Efford, Nick<br><b>Digital Image Processing.</b><br>Delhi: Pearson Education Asia, 2000.<br>621.367 EFF<br>000744   |
| 4. | Gonzalez, Rafael C. and Woods, Richard E.<br><b>Digital image processing. (1<sup>st</sup> &amp; 2<sup>nd</sup> Ed.)</b><br>Delhi: Pearson Education, 2002.<br>621.367 GON<br>000123, 000124, 000741, 006501, 006502, 008483 |
| 5. | Gonzalez, Rafael C.; Woods, Richard E. and Eddins, Steven L.<br><b>Digital image processing using MATLAB.</b><br>Delhi: Pearson Education, 2004.<br>621.367 GON<br>010410   |
| 6. | Jahne, Bernd<br><b>Digital image processing.</b><br>New York: Springer, 2002.<br>621.382 JAH<br>004377  |
| 7. | Jain, Anil K.<br><b>Fundamentals of digital image processing.</b><br>New Delhi: Prentice Hall of India, 2002.<br>621.367 JAI<br>008213-008215, 009097   |
| 8. | Pratt, William K.<br><b>Digital image processing.</b><br>Singapore: John Wiley & Sons, 2002.<br>621.367 PRA<br>004134, 008211, 008212   |

#### V Books on Digital Watermarking (Available in the RC)

|    |   |
|----|---|
| 1. | Arnold, Michael<br><b>Techniques and applications of digital watermarking and content protection.</b><br><b>Boston: Artech House, 2003.</b><br>005.8 ARN<br>007430  |
| 2. | Kalker, Ton (Ed.); Cox, Ingemar J. (Ed.) and Ro, Yong Man (Ed.)<br><b>Digital watermarking: second international workshop, IWDW 2003, Seoul, Korea, October 20-22, 2003, revised papers.</b><br>Berlin: Springer, 2004.<br>004 KAL 009651 |

|    |   |
|----|---|
| 3. | Lu, Chun-Shien<br><b>Multimedia security: stenography and digital water making techniques for protection and intellectual property.</b><br>Hershey: Idea Group Publishing, 2005.<br>005.8 LU,<br>011225 |
|----|---|

## VI Books on Image Analysis, Processing and Understanding (Available in the RC)

|    |   |
|----|---|
| 1. | Aizawa, Kiyoharu (Ed.); Sakaue, Katsuhiko (Ed.) and Suenaga, Yasuhito (Ed.)<br><b>Image processing technologies: algorithms, sensors, and applications.</b><br>New York: Marcel Dekker, 2004.<br>621.3994 AIZ<br>011218 |
| 2. | Aubert, Gilles and Kornprobst, Pierre<br><b>Mathematical problems in image processing: partial differential equations and the calculus of variations.</b><br>New York: Springer, 2002.<br>621.3670151 AUB<br>011955     |
| 3. | Barner, Kenneth E. (Ed.) and Arce, Gonzalo R. (Ed.)<br><b>Nonlinear signal and image processing: theory, methods and applications.</b><br>Boca Raton: CRC Press, 2004.<br>621.3822 BAR 012076                           |
| 4. | Bose, Tamal<br><b>Digital signal and image processing.</b><br>New Jersey: John Wiley, 2003.<br>621.3 BOS 009445   |
| 5. | Cichocki, Andrzej and Amari, Shun-ichi<br><b>Adaptive blind signal and Image processing: learning algorithms and applications.</b><br>New Jersey: John Wiley & Sons, 2003.<br>621.3822 CIC<br>009402                    |
| 6. | Crane, Randy<br><b>Simplified approach to image processing.</b><br>New Jersey: Prentice Hall, 1997.<br>621.36702855133 CRA<br>005523  |
| 7. | Dougherty, Edward R. and Astola, Jaakko T.<br><b>Nonlinear filters for image processing.</b><br>New York: IEEE Press, 1999.<br>621.367 DOU<br>013019  |
| 8. | Jahne, Bernd<br><b>Practical handbook of image processing for scientific and technical applications. (2<sup>nd</sup> Ed.)</b><br>London: CRC Press, 2004.<br>621.367 JAH 011063   |
| 9. | Kropatsch, Walter G. (Ed.) & Bischof, Horst<br><b>Digital image analysis.</b><br>New York: Springer-Verlag, 2001.<br>621.367 KRO<br>005675  |

|     |   |
|-----|---|
| 10. | Laplante, Phillip A.<br><b>Software engineering for image processing systems.</b><br>Boca Raton: CRC Press, 2004.<br>621.367 LAP 008600   |
| 11. | Lu, Hanqing (Ed.) and Zhang, Tianxu (Ed.)<br><b>Multispectral image processing and pattern recognition: Third International Symposium on Multispectral Image Processing and Pattern Recognition: 20-22 October, 2003.</b><br>Beijing: SPIE--International Society for Optical Engineering, 2003.<br>006.42 LU, 008819, 008820 |
| 12. | Majumdar, Kantilal and Jain, Anil<br><b>ICVGIP 2002: proceedings third Indian conference on computer vision, graphics and image processing.</b><br>New Delhi: Allied Publishers, 2002.<br>006.37 MAJ 012346   |
| 13. | Phillips, Dwayne<br><b>Image Processing in C.</b><br>New Delhi: BPB Publications, 2002.<br>006.37 PHI<br>005230   |
| 14. | Rangayyan, Rangaraj M.<br><b>Biomedical image analysis.</b><br>Boca Raton: CRC Press, 2005.<br>616.0754 RAN<br>012287   |
| 15. | Russ, John C.<br><b>Image processing handbook. (3<sup>rd</sup> &amp; 4<sup>th</sup> Ed.)</b><br>New York: IEEE Press, 1998.<br>621.367 RUS<br>001491, 012987  |
| 16. | Soille, Pierre<br><b>Morphological image analysis: principles and applications. (2<sup>nd</sup> Ed.)</b><br>Berlin: Springer, 2004.<br>621.367 SOI<br>011941  |
| 17. | Sonka, Milan<br><b>Image Processing Analysis and Machine Vision. (2<sup>nd</sup> Ed.)</b><br>New Delhi: Vikas Publishers, 2001.<br>006.37 SON<br>003999   |
| 18. | Tadeusiewicz, Ryszard and Ogiela, Marek R.<br><b>Medical image understanding technology: artificial intelligence and soft-computing for image understanding.</b><br>Berlin: Springer-Verlag, 2004.<br>616.0754 TAD<br>010186  |
| 19. | Winkler, Gerhard<br><b>Image analysis, random fields and Markov chain Monte Carlo methods: a mathematical introduction.</b><br>New York: Springer Verlag, 2003.<br>621.367015192 WIN<br>009299  |

## VII Books on Pattern Recognition (Available in the RC)

|     |  |
|-----|--|
| 1.  | Bhanu, Bir, Lin, Yingqiang and Krawiec, Krzysztof<br><b>Evolutionary synthesis of pattern recognition systems.</b><br>New York: Springer, 2005.<br>006.4 BHA<br>013376   |
| 2.  | Bishop, Christopher M.<br><b>Neural networks for pattern recognition.</b><br>New Delhi: Oxford University Press, 2003.<br>006.4 BIS 008538   |
| 3.  | Brun, Luc (Ed.) and Vento, Mario (Ed.)<br><b>Graph-based representations in pattern recognition: 5th iapr International workshop, gbrpr 2005, poitiers, France, April 11-13, 2005; proceedings.</b><br>New York: Springer, 2005.<br>004 BRU<br>012549  |
| 4.  | Chen, C. H. (Ed.) and Wang, P. S. P. (Ed.)<br><b>Handbook of pattern recognition and computer vision.</b><br>New Jersey: World Scientific Publishing Company, 2005.<br>006.4 CHE<br>012776   |
| 5.  | Gose, Earl; Johnsonbaugh, Richard and Jost, Steve<br><b>Pattern Recognition and Image Analysis.</b><br>New Delhi: Prentice Hall of India, 2002.<br>621.367 GOS 003226  |
| 6.  | Lu, Hanqing (Ed.) and Zhang, Tianxu (Ed.)<br><b>Multispectral image processing and pattern recognition: Third International Symposium on Multispectral Image Processing and Pattern Recognition: 20-22 October, 2003.</b><br>Beijing: SPIE--International Society for Optical Engineering, 2003.<br>006.42 LU 008819 |
| 7.  | Marques, Jorge S. (Ed.); Blanca, Nicolas Perez de la (Ed.) and Pina, Pedro (Ed.)<br><b>Pattern recognition and image analysis: second iberian conference, IBPRIA 2005, Estoril, Portugal, June 7-9, 2005, proceedings, part I.</b><br>Berlin: Springer, 2005.<br>004 MAR<br>013389                                   |
| 8.  | Meyer-Baese, Anke<br><b>Pattern recognition in medical imaging.</b><br>Amsterdam: Academic Press, 2003.<br>616.0754 MEY<br>009915  |
| 9.  | Pal, Sankar K. and Mitra, Pabitra<br><b>Pattern recognition algorithms for data mining.</b><br>London: Chapman & Hall, 2004.<br>006.312 PAL<br>011119  |
| 10. | Rasmussen, Carl Edward (Ed.); Bulthoff, Heinrich H. (Ed.); Giese, Martin A. (Ed.) and Scholkopf, Bernhard (Ed.)<br><b>Pattern recognition: 26th DAGM symposium, Tuebingen, Germany, August 30-September 1, 2004; proceedings.</b><br>Berlin: Springer, 2004. 004 RAS<br>011942                                       |



|     |  |
|-----|--|
| 11. | Ripley, B. D.<br><b>Pattern recognition and neural networks.</b><br>Cambridge: Cambridge University Press, 2002.<br>006.4 RIP<br>005986                            |
| 12. | Schalkoff, Robert J.<br><b>Pattern recognition: statistical, structural, and neural approaches.</b><br>New York: John Wiley and Sons, 2005.<br>006.4 SCH<br>012292 |
| 13. | Theodoridis, Sergios<br><b>Pattern Recognition.</b><br>London: Academic Press, 1998.<br>006.4 THE<br>003082  |

### VIII Books on Video Compression (Available in the RC)

|    |   |
|----|---|
| 1. | Effelsberg, Wolfgang and Steinmetz, Ralf<br><b>Video Compression Techniques.</b><br>Germany: dpunkt-verlag, 1998.<br>621.388 EFF<br>004956  |
| 2. | Richardson, Iain E.G.<br><b>H.264 and MPEG-4 video compression: video coding for next-generation multimedia.</b><br>England: John Wiley and Sons, 2003.<br>621.388 33 RIC<br>008833, 011638 |
| 3. | Symesd, Peter<br><b>Digital video compression.</b><br>New York: McGraw-Hill, 2004.<br>621.38833 PET<br>009012   |

### IX CDs (Available in the RC)

|    |  |
|----|--|
| 1. | Agoston, Max K.<br><b>Computer graphics and geometric modelling: implementation and algorithms.</b><br>London: Springer-Verlag, 2005.<br>006.6 AGO<br>C00999   |
| 2. | Bhatt, Krutarth<br><b>Multiple watermarking schemes for copyright protection.</b><br>Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005.<br>005.8 BHA C01084  |
| 3. | Bhandari, Kunal<br><b>Hybrid approach to digital image watermarking using singular value decomposition and spread spectrum.</b><br>Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005.<br>005.8 BHA<br>C01069 |

|     |  |
|-----|--|
| 4.  | <p>Cichocki, Andrzej and Amari, Shun-ichi<br/> <b>Adaptive blind signal and Image processing: learning algorithms and applications.</b><br/> New Jersey: John Wiley &amp; Sons, 2003.<br/> 621.3822 CIC<br/> C00831</p>  |
| 5.  | <p>Efford, Nick<br/> <b>Digital image processing.</b><br/> Delhi: Pearson Education Asia, 2000.<br/> 621.367 EFF<br/> C00068, C00744</p>   |
| 6.  | <p>Effelsberg, Wolfgang and Steinmetz, Ralf<br/> <b>Video Compression Techniques.</b><br/> Germany: dpunkt-verlag, 1998.<br/> 621.388 EFF<br/> C00537</p>  |
| 7.  | <p>Jahne, Bernd<br/> <b>Digital image processing.</b><br/> New York: Springer, 2002.<br/> 621.382 JAH<br/> C00470</p>  |
| 8.  | <p>Kropatsch, Walter G. (Ed.) and Bischof, Horst<br/> <b>Digital image analysis.</b><br/> New York: Springer-Verlag, 2001.<br/> 621.367 KRO<br/> C00643</p>  |
| 9.  | <p>Pokorny, Cornel<br/> <b>Computer Graphics: An Object-Oriented Approach.</b><br/> New Delhi: BPB Publications, 2002.<br/> 006.6 POK<br/> C00578</p>  |
| 10. | <p>Pratt, William K.<br/> <b>Digital image processing.</b><br/> Singapore: John Wiley &amp; Sons, 2002.<br/> 621.367 PRA<br/> C00755, C00756, C00376</p>   |
| 11. | <p>Suryanarayana, P. V.<br/> <b>Automatic car license plate recognition.</b><br/> Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005.<br/> 621.3678 SUR<br/> C01073</p> |
| 12. | <p>Symesd, Peter<br/> <b>Digital video compression.</b><br/> New York: McGraw-Hill, 2004.<br/> 621.38833 SYM<br/> C00813</p>   |
| 13. | <p>Winkler, Gerhard<br/> <b>Image analysis, random fields and Markov chain Monte Carlo methods: a mathematical introduction.</b><br/> New York: Springer Verlag, 2003.<br/> 621.367015192 FRI<br/> C00828</p>            |

## X Thesis (Available in the RC)

|    |  |
|----|--|
| 1. | Athale, Suprita<br><b>Fractal based approach for face recognition.</b><br>Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2004.<br>006.4 ATH<br>T00026  |
| 2. | Bhatt, Krutarth<br><b>Multiple watermarking schemes for copyright protection.</b><br>Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005.<br>005.8 BHA<br>T00057   |
| 3. | Bhandari, Kunal<br><b>Hybrid approach to digital image watermarking using singular value decomposition and spread spectrum.</b><br>Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005.<br>005.8 BHA<br>T00042 |
| 4. | Suryanarayana, P. V.<br><b>Automatic car license plate recognition.</b><br>Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005.<br>621.3678 SUR<br>T00046  |
| 5. | Tatu, Aditya<br><b>Differential geometry and image processing.</b><br>Gandhinagar: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), 2005.<br>621.367 TAT<br>T00049  |

## XI Journals (Available in the RC)

|    |   |
|----|---|
| 1. | ACM SIGGRAPH Computer Graphics<br>0097-8930<br><a href="http://www.acm.org/siggraph/">http://www.acm.org/siggraph/</a>  |
| 2. | ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP):<br>1551-6857<br><a href="http://www.acm.org/pubs/tomccap/">http://www.acm.org/pubs/tomccap/</a>                       |
| 3. | Computer Vision and Image Understanding (3/Y)<br>Elsevier Science California, US.<br>ISSN: 1077-3142  |
| 4. | IEE Proceedings I Communications, Speech and Vision<br>0956-3776<br><a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2215">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2215</a> |
| 5. | IEE Proceedings I Communications, Speech and Vision<br>0143-7100<br><a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2214">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2214</a> |
| 6. | IEE Proceedings Vision, Image & Signal Processing<br>1350-245X<br><a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2200">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2200</a>   |

|     |  |
|-----|--|
| 7.  | IEEE Computer Graphics and Applications<br>0272-1716<br><a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=38">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=38</a>  |
| 8.  | IEEE Transactions on Circuits and Systems for Video Technology<br>1051-8215<br><a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=76">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=76</a>   |
| 9.  | IEEE Transactions on Image Processing<br>1057-7149<br><a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=83">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=83</a>  |
| 10. | IEEE Transactions on Visualization and Computer Graphics<br>1077-2626<br><a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2945">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=2945</a>   |
| 11. | IEEE Transactions Pattern Analysis and Machine Intelligence<br>0162-8828<br><a href="http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=34">http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=34</a>  |
| 12. | International Journal of Computer Vision<br>1573-1405<br><a href="http://springerlink.metapress.com/openurl.asp?genre=journal&amp;eissn=1573-1405">http://springerlink.metapress.com/openurl.asp?genre=journal&amp;eissn=1573-1405</a>   |
| 13. | International Journal of Document Analysis and Recognition (IJ DAR)<br>1433-2825<br><a href="http://link.springer.de/link/service/journals/10032/index.htm">http://link.springer.de/link/service/journals/10032/index.htm</a>  |
| 14. | Journal of Computer Science. 15493636<br><a href="http://www.scipub.us/c4p.php?j_id=jcs">http://www.scipub.us/c4p.php?j_id=jcs</a>   |
| 15. | Journal of Digital Imaging<br>1618-727X<br><a href="http://www.springerlink.com/link.asp?id=109379">http://www.springerlink.com/link.asp?id=109379</a>   |
| 16. | Journal of Mathematical Imaging and Vision<br><a href="http://www.springerlink.com/openurl.asp?genre=journal&amp;eissn=1573-7683">http://www.springerlink.com/openurl.asp?genre=journal&amp;eissn=1573-7683</a>  |
| 17. | Machine Vision and Applications<br>1432-1769<br><a href="http://www.springerlink.com/link.asp?id=100522">http://www.springerlink.com/link.asp?id=100522</a>  |
| 18. | Multimedia Systems<br>0942-4962<br><a href="http://link.springer.de/link/service/journals/00530/index.htm">http://link.springer.de/link/service/journals/00530/index.htm</a>   |
| 19. | Pattern Analysis & Applications<br>1433-755X<br><a href="http://www.springerlink.com/link.asp?id=103609">http://www.springerlink.com/link.asp?id=103609</a>  |
| 20. | Pattern Recognition Letters (16/Y)<br>Elsevier Science, Amsterdam, NL ISSN: 0167-8655  |
| 21. | The International Journal of Cardiovascular Imaging X-Ray Imaging, Echocardiography, Nuclear Cardiology and Magnetic Resonance<br>1573-0743<br><a href="http://springerlink.metapress.com/openurl.asp?genre=journal&amp;eissn=1573-0743">http://springerlink.metapress.com/openurl.asp?genre=journal&amp;eissn=1573-0743</a> |
| 22. | The Journal of VLSI Signal Processing-Systems for Signal, Image, and Video Technology<br>1573-109X<br><a href="http://springerlink.metapress.com/openurl.asp?genre=journal&amp;eissn=1573-109X">http://springerlink.metapress.com/openurl.asp?genre=journal&amp;eissn=1573-109X</a>  |
| 23. | The Visual Computer International Journal of Computer Graphics<br>1432-2315<br><a href="http://link.springer.de/link/service/journals/00371/index.htm">http://link.springer.de/link/service/journals/00371/index.htm</a>   |

## XII Conferences

|     |   |
|-----|---|
| 1.  | Applied Imagery Pattern Recognition Workshop. Proceedings (2000-2003)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=7567">http://ieeexplore.ieee.org/servlet/opac?punumber=7567</a>  |
| 2.  | Asian Conf. on Computer Vision. Proceedings (1995-1999)<br><a href="http://www.springerlink.com/link.asp?id=h77612337988">http://www.springerlink.com/link.asp?id=h77612337988</a>  |
| 3.  | CAIP- International Conference on Computer Analysis of Images and Patterns. Proceedings (1993-2001)<br><a href="http://www.springerlink.com/link.asp?id=m84466j14436">http://www.springerlink.com/link.asp?id=m84466j14436</a>                      |
| 4.  | Computer Graphics International. Proceedings (1996-2005)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=3814">http://ieeexplore.ieee.org/servlet/opac?punumber=3814</a>   |
| 5.  | CPM-Symposium on Combinatorial Pattern Matching. Proceedings (1992-2002)<br><a href="http://www.springerlink.com/link.asp?id=jwg447nv1056">http://www.springerlink.com/link.asp?id=jwg447nv1056</a>   |
| 6.  | ECCV- European Conference on Computer Vision. Proceedings (1990-2002)<br><a href="http://www.springerlink.com/link.asp?id=r32p26880506">http://www.springerlink.com/link.asp?id=r32p26880506</a>  |
| 7.  | EURASIP-IEEE Region 8 International Symposium on VIPromCom Video/Image Processing and Multimedia Communications, 2003.<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=7973">http://ieeexplore.ieee.org/servlet/opac?punumber=7973</a> |
| 8.  | EvolASP-European Workshop on Evolutionary Computation in Image analysis and Signal Processing. Proceedings (1999-2003)<br><a href="http://www.springerlink.com/link.asp?id=fkjmufja7mcc">http://www.springerlink.com/link.asp?id=fkjmufja7mcc</a>   |
| 9.  | GREC-International Workshop on Graphics Recognition. Proceedings (1997-2001)<br><a href="http://www.springerlink.com/link.asp?id=5hvt25x9q46">http://www.springerlink.com/link.asp?id=5hvt25x9q46</a>   |
| 10. | IEEE Computer Society Conference on Computer Vision and Pattern Recognition. (1988-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=206">http://ieeexplore.ieee.org/servlet/opac?punumber=206</a>                                 |
| 11. | IEEE Conference on Information Visualization. Proceedings (1995-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=4050">http://ieeexplore.ieee.org/servlet/opac?punumber=4050</a>  |
| 12. | IEEE International Conference Image Processing. Proceedings (1994-2002)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=3232">http://ieeexplore.ieee.org/servlet/opac?punumber=3232</a>  |
| 13. | IEEE Workshop on Applications of Computer Vision. Proceedings (1992-2002)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=415">http://ieeexplore.ieee.org/servlet/opac?punumber=415</a>  |
| 14. | IEEE Workshop on Content-Based Access of Image and Video Libraries. Proceedings (1999-2001)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=5665">http://ieeexplore.ieee.org/servlet/opac?punumber=5665</a>                            |
| 15. | International Conference on Image Analysis and Processing. Proceedings (2001-2003)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=6462">http://ieeexplore.ieee.org/servlet/opac?punumber=6462</a>                                     |
| 16. | International Conference on Image Processing and Its Applications. Proceedings (1989-1999)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=1229">http://ieeexplore.ieee.org/servlet/opac?punumber=1229</a>                             |
| 17. | International Conference on Pattern Recognition. Proceedings (1988-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=220">http://ieeexplore.ieee.org/servlet/opac?punumber=220</a>   |
| 18. | International Conference on Web Delivering of Music. Proceedings (2001-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=7752">http://ieeexplore.ieee.org/servlet/opac?punumber=7752</a>   |
| 19. | International Symposium on 3D Data Processing Visualization and Transmission. Proceedings (2002-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=7966">http://ieeexplore.ieee.org/servlet/opac?punumber=7966</a>                  |
| 20. | International Symposium on Intelligent Multimedia, Video and Speech Processing (2001-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=9799">http://ieeexplore.ieee.org/servlet/opac?punumber=9799</a>                             |
| 21. | Proceedings of the IEEE Southwest Symposium on Image Analysis and Interpretation. Proceedings (1994-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=988">http://ieeexplore.ieee.org/servlet/opac?punumber=988</a>                |
| 22. | Second International Conference on Computer Vision. Proceedings (1998-2003)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=4606">http://ieeexplore.ieee.org/servlet/opac?punumber=4606</a>  |
| 23. | Second International Workshop on Digital and Computational Video. Proceedings (2001-2002)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=7403">http://ieeexplore.ieee.org/servlet/opac?punumber=7403</a>                              |
| 24. | The Fifth Pacific Conference on Computer Graphics and Applications. Proceedings (1998-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=4949">http://ieeexplore.ieee.org/servlet/opac?punumber=4949</a>                            |

|     |   |
|-----|---|
| 25. | Theory and Practice of Computer Graphics. Proceedings (2003-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=8576">http://ieeexplore.ieee.org/servlet/opac?punumber=8576</a>                          |
| 26. | XII Brazilian Symposium on Computer Graphics and Image Processing. Proceedings (1997-2004)<br><a href="http://ieeexplore.ieee.org/servlet/opac?punumber=6526">http://ieeexplore.ieee.org/servlet/opac?punumber=6526</a> |

### XIII Internet Resources

|    |   |
|----|---|
| 1. | <b>Bob Fisher's Personal Page</b><br>Robert Fisher is a Professor in the School of Informatics at the University of Edinburgh, conducting research in the Machine Vision Unit. His home page provides information about his research interests and publications, many of which are available to read in PDF, PostScript or HTML.<br><a href="http://homepages.inf.ed.ac.uk/rbf/">http://homepages.inf.ed.ac.uk/rbf/</a>   |
| 2. | <b>Brown University Computer Graphics Group</b><br>The Brown University Graphics Group provides access to publications and conference papers written by group members. Publications can be viewed by author and there is also a link to peruse the university's entire computer science department's list of publications.<br><a href="http://graphics.cs.brown.edu/">http://graphics.cs.brown.edu/</a>   |
| 3. | <b>Computer Graphics and Visualization at the University of Utah School of Computing</b><br>This web site provides an overview of research undertaken by the computer graphics and visualisation group. This includes details of faculty, projects, and publications.<br><a href="http://www.cs.utah.edu/research/areas/graphics/">http://www.cs.utah.edu/research/areas/graphics/</a>  |
| 4. | <b>Computer Graphics Group at the Laboratory for Computer Science at Massachusetts Institute of Technology</b><br>Details of current projects and links to publications by staff members are available from this computer graphics related research group at MIT. Staff pages hold further information about their research interests and teaching activities.<br><a href="http://groups.csail.mit.edu/graphics/">http://groups.csail.mit.edu/graphics/</a>   |
| 5. | <b>Computer Graphics Laboratory, ETH Zürich</b><br>Details provided here of current research at the Computer Graphics Laboratory includes links to project pages and information about staff members. Publications including papers, tutorials, exercises, lecture slides, and dissertations are also available.<br><a href="http://graphics.ethz.ch/">http://graphics.ethz.ch/</a>   |
| 6. | <b>Computer Graphics Research Group in the Department of Computer Science at the University of Sheffield</b><br>Details of research projects, teaching modules, proposed undergraduate dissertations and PhD projects, and information about staff is provided by this research group working in the field of computer graphics. Some online papers, a listing of staff publications, a gallery of images, and links to various related online resources are also available.<br><a href="http://www.dcs.shef.ac.uk/graphics/">http://www.dcs.shef.ac.uk/graphics/</a> |
| 7. | <b>Computer Vision and Neural Computing Group at the University of Cambridge</b><br>Lecture notes, learning guides, worked examples, and past exam questions are provided on this site. These are taken from the courses taught by Group, which include neural computing, computer vision, information theory and coding, continuous mathematics, and artificial intelligence. Some publications from staff pages are available.<br><a href="http://www.cl.cam.ac.uk/Research/CVCNG/">http://www.cl.cam.ac.uk/Research/CVCNG/</a>                                     |
| 8. | <b>Computer Vision Conferences</b><br>A listing of vision conferences produced by the Computer Vision Group at the University of Southern California.<br><a href="http://iris.usc.edu/Information/Iris-Conferences.html">http://iris.usc.edu/Information/Iris-Conferences.html</a>  |
| 9. | <b>Computer Vision Homepage at Carnegie Mellon University</b><br>The computer vision homepage at the Carnegie Mellon School of Computer Science is a collection of links to resources relevant to computer vision and image processing.<br><a href="http://www.cs.cmu.edu/afs/cs/project/cil/www/vision.html">http://www.cs.cmu.edu/afs/cs/project/cil/www/vision.html</a>  |

|     |  |
|-----|--|
| 10. | <p><b>Computing Research Repository</b></p> <p>The Computing Research Repository (CoRR) is sponsored by ACM, the ArXiv.org e-Print archive, NCSTRL (Networked Computer Science Technical Reference Library) and AAAI (American Association for Artificial Intelligence). Subjects covered include artificial intelligence, computational science, engineering, and finance, computer vision and pattern recognition, robotics, and many others.</p> <p><a href="http://xxx.soton.ac.uk/archive/cs/intro.html">http://xxx.soton.ac.uk/archive/cs/intro.html</a></p>   |
| 11. | <p><b>Digital Video Compression</b></p> <p>Sections include information on the applications of digital video (DV), characteristics of DV, matching criteria, and general purpose compression techniques.</p> <p><a href="http://www.newmediarepublic.com/dvideo/">http://www.newmediarepublic.com/dvideo/</a></p>  |
| 12. | <p><b>EUROGRAPHICS Association</b></p> <p>EG. Details of conferences and workshops, services, and publications from this Europe-wide professional computer graphics association are provided here.</p> <p><a href="http://www.eg.org/">http://www.eg.org/</a></p>  |
| 13. | <p><b>Image Analysis and Computer Graphics at the Technical University of Denmark</b></p> <p>Information about people, research, publications, and teaching can be found on this website along with a calendar of events. Research includes remote sensing, medical imaging, surface measurements, biotechnology and computer graphics. Publications are divided into journal articles, books, conference papers, technical reports, Theses and MSc theses, listed by year.</p> <p><a href="http://www.imm.dtu.dk/English/Research/Image_Analysis_and_Computer_Graphics.aspx">http://www.imm.dtu.dk/English/Research/Image_Analysis_and_Computer_Graphics.aspx</a></p> |
| 14. | <p><b>Image Analysis Research Laboratory at the University of South Florida</b></p> <p><a href="http://marathon.csee.usf.edu/">http://marathon.csee.usf.edu/</a></p>   |
| 15. | <p><b>Image Processing and Analysis Group</b></p> <p><a href="http://noodle.med.yale.edu/">http://noodle.med.yale.edu/</a></p>   |
| 16. | <p><b>Image Processing Toolbox 5.1</b></p> <p>The Image Processing Toolbox provides a comprehensive set of reference-standard algorithms and graphical tools for image processing, analysis, visualization, and algorithm development.</p> <p><a href="http://www.mathworks.com/products/image/">http://www.mathworks.com/products/image/</a></p>  |
| 17. | <p><b>Information Retrieval Group in the Department of Computing Science at the University of Glasgow</b></p> <p>This site offers a list of publications, project information, past seminar slides, test collections, and news of events relating to this group's research themes. Areas of interest include theoretical modeling of the retrieval process, interactive IR systems, and user-oriented evaluation of image retrieval systems.</p> <p><a href="http://ir.dcs.gla.ac.uk/">http://ir.dcs.gla.ac.uk/</a></p>  |
| 18. | <p><b>International Conference on Image Processing 1994</b></p> <p><a href="http://campus.acm.org/public/search/results.cfm">http://campus.acm.org/public/search/results.cfm</a></p>   |
| 19. | <p><b>International Conference on Image Processing 1995</b></p> <p><a href="http://www.sigmod.org/dblp/db/conf/icip/icip1995-1.html">http://www.sigmod.org/dblp/db/conf/icip/icip1995-1.html</a></p>   |
| 20. | <p><b>International Conferences in Central Europe on Computer Graphics, Visualization and Computer Vision</b></p> <p>Short papers, posters, and full conference proceedings are available from the series of conferences in computer graphics. The digital library includes the Journal of WSCG, and details of forthcoming conferences and keynote speakers are included.</p> <p><a href="http://wscg.zcu.cz/">http://wscg.zcu.cz/</a></p>  |
| 21. | <p><b>Pattern Recognition and Fuzzy Systems at the University of Wales, Bangor</b></p> <p>The Pattern Recognition &amp; Fuzzy Systems research group at the University of Wales, Bangor, provides details of researchers, collaborators and an explanation of their interests on their Website.</p> <p><a href="http://www.informatics.bangor.ac.uk/public/mathematics/research/patrec/patrec1.html">http://www.informatics.bangor.ac.uk/public/mathematics/research/patrec/patrec1.html</a></p>   |
| 22. | <p><b>Signal and Image Processing Group at the University of Bath</b></p> <p>This university research group webpage covers video signal processing. It includes papers in PDF format.</p> <p><a href="http://www.bath.ac.uk/elec-eng/pages/sipg/">http://www.bath.ac.uk/elec-eng/pages/sipg/</a></p>   |

|     |   |
|-----|---|
| 23. | <b>The British Machine Vision Association and Society for Pattern Recognition</b><br>The BMVA provides a national forum for individuals and organisations involved in machine vision, image processing, and pattern recognition in the UK. It aims to promote knowledge of machine vision and pattern recognition, encourage practical applications of the technology, facilitate the rapid transfer of research results to industry and also represent the UK machine vision community, nationally and internationally.<br><a href="http://www.bmva.ac.uk/">http://www.bmva.ac.uk/</a> |
| 24. | <b>Vector Math for 3D Computer Graphics</b><br>The Vector Math for 3D Computer Graphics is an interactive tutorial on vector algebra and matrix algebra from the viewpoint of computer graphics. It is part of the Computer Aided Instruction Project at the Central Connecticut State University's Computer Science Department<br><a href="http://chortle.ccsu.edu/VectorLessons/vectorIndex.html">http://chortle.ccsu.edu/VectorLessons/vectorIndex.html</a>  |

**END**