Abdullah S, Holcombe M, Gheorghe M (2003) Practice make perfect. Extreme Programming and Agile Processes in Software Engineering (XP2003) Lncs 2675:354–356

Aberle N, Witte U (2003) Deep-sea macrofauna exposed to a simulated sedimentation event in the abyssal NE Atlantic: *in situ* pulse-chase experiments using ¹³C-labelled phytodetritus. Mar Ecol Prog Ser 251:37–47

Alemayehu N, Willett P (2003) The effectiveness of stemming for information retrieval in Amharic. Program-Electron. Libr. Inf. Syst. 37(4):254–259

Amon RMW, Budéus G, Meon B (2003) Dissolved organic carbon distribution and origin in the Nordic Seas: Exchanges with the Arctic Ocean and the North Atlantic. J Geophys Res 108(C7): 3221 doi:10.1029/2002JC001594

Arenas-Garcia J, Figueiras-Vidal AR, Sharkey AJC (2003) The beneficial effects of using multinet systems that focus on hard patterns. Lecture Notes in Computer Science

Aslanidi OV, Clayton RH, Holden AV, Phillips HK, Ward RJ (2003) Vulnerability to re-entry, and drift, stability and breakdown of spiral waves in a linear gradient of Gk in a Luo-Rudy 1 virtual ventricular tissue. International Journal of Bifurcation and Chaos 13:3865–3872

Balanescu T, Georgescu H, Gheorghe M (2003) Stream X-machines (Eilenberg machines) with underlying distributed grammars by using an algebraic constraint. Rom J of Inf Sci and Tech 6:33–44

Barker EJ, Gardiner EJ, Gillet VJ, Kitts P, Morris J (2003) Further development of reduced graphs for identifying bioactive compounds. J. Chem. Inf. Comput. Sci. 43(2):346–356

Bath PA, Bouchier H (2003) Development and application of a tool designed to evaluate web sites providing information on Alzheimer's disease. J. Inf. Sci. 29(4):279–297

Beaulieu M (2003) Approaches to user-based studies in information seeking and retrieval: a Sheffield perspective. J. Inf. Sci. 29(4):239–248

Belkin M, Niyogi P (2003) Laplacian eigenmaps for dimensionality reduction and data representation. Neural Computation 15(6):1373–1396

Bernardini F, Gheorghe M, Holcombe M (2003) PX Systems = P Systems + X Machines. Natural Computing 2:201–213

Bertemes P, Brown BH, Smallwood RH (2003) Stand-off electrode (SoE): a new method for improving the sensitivity distribution of a tetrapolar probe. Physiol Meas 24:517–525

Bird SM, Gray JE (2003) Signals from the cuticle affect epidermal cell differentiation. New Phytologist 157:9–23

Bishop N, Gillet VJ, Holliday JD, Willett P (2003) Chemoinformatics research at the University of Sheffield: a history and citation analysis. J. Inf. Sci. 29(4):249–267

Brown GJ (2003) Auditory scene analysis. The Handbook of Brain Theory and Neural Networks (second edition) 132–135

Brown N, Willett P, Wilton DJ, Lewis RA (2003) Generation and display of activity-weighted chemical hyperstructures. J. Chem. Inf. Comput. Sci. 43(1):288–297

Chen M, Clayton RH, Tucker JV, Holden AV (2003) Visualising cardiac anatomy using constructive volume geometry. Lecture Notes in Computer Science 2674:30–38

Chen M, Tucker JV, Clayton RH, Holden AV (2003) Constructive volume geometry applied to visualization of cardiac anatomy and electrophysiology. International Journal of Bifurcation and Chaos 13:3591–3604

Chen Q, Chan YW, Worden K (2003) Structural fault diagnosis and isolation using neural networks based on response-only data. Comput. Struct. 81(22-23):2165–2172

Ciravegna F (2003) Designing Adaptive Information Extraction for the Semantic Web in Amilcare. Annotation for the Semantic Web

Ciravegna F, Wilks Y (2003) Designing Adaptive Information Extraction for the Semantic Web in Amilcare. Annotation for the Semantic Web in the Series Frontiers in Artificial Intelligence and Applications

Ciravegna F, Dingli A, Wilks Y, Petrelli D (2003) Using Adaptive Information Extraction for Effective Human-centred Document Annotation. Text Mining, Theoretical Aspects and Applications, Lecture Notes in Computer Science

Clayton RH, Holden AV (2003) Dynamics and interaction of filaments during re-entry and fibrillation in mammalian virtual ventricular tissue. International Journal of Bifurcation and Chaos 13:3733–3746

Clayton RH, Holden AV (2003) Editorial. International Journal of Bifurcation and Chaos 13:3531–3534

Clayton RH, Holden AV (2003) Effect of regional differences in cardiac cellular electrophysiology in the stability of ventricular arrhythmias: A computational study. Physics in Medicine and Biology 48:95–111

Clayton RH, Holden AV (2003) Filament behaviour in a computational model of ventricular fibrillation in the canine heart. IEEE Transactions on Biomedical Engineering

Clayton RH, Holden AV (2003) Virtual tissue engineering of cardiac muscle: Computational aspects. International Journal of Computer Research 11:431–441

Clayton RH, Holden AV, Tong WC (2003) Can endogeneous, noise triggered early afterdepolarizations initiate re-entry in a modified Luo Rudy virtual ventricular tissue? International Journal of Bifurcation and Chaos 13:3835–3844

Cooke MP (2003) Glimpsing speech. Journal of Phonetics 31:579–584

Cooke MP (2003) Glimpsing speech. Journal of Phonetics 31:579–584

Cooke MP (2003) Glimpsing Speech. Journal of Phonetics 31(3-4):579-584

Cunningham H, Bontcheva K (2003) Software Architectures for Language Engineering: a Critical Review. Department of Computer Science, University of Sheffield

Dimitropoulou P, Cannings C (2003) RECSIM and INDSTATS: probabilities of identity in general genealogies. Bioinformatics 19(6):790–791

Dudoit S, Gentleman RC, Quackenbush J (2003) Open Source Software for the Analysis of Microarray Data. BioTechniques 45

Dymkov M, Gaishun I, Rogers E, Galkowski K, Owens DH (2003) z-transform and Volterra-operator based approaches to controllability and observability analysis for discrete linear repetitive processes. Multidimens. Syst. Signal Process. 14(4):365–395

Eaglestone B, Lin A, Nunes MB, Annansingh F (2003) Intention and effect of IS solutions: does risk management stifle creativity? J. Inf. Sci. 29(4):269–278

Enrique S, Watt A, Maddock S, Policarpo F (2003) Using Synthetic Vision for Autonomous Non-Player Characters in Computer Games. Inteligencia Artificial, Revista Iberoamericana de Inteligencia Artificial (21)

Fang Y, Brass A, Hoyle D, Hayes A, Bashein A, Oliver S, Waddell D, Rattray M (2003) A model-based analysis of microarray experimental error and normalisation. Nucleic Acids Research (methods) 31(16):96

Ford N, Miller D, Moss N (2003) Web search strategies and approaches to studying. J. Am. Soc. Inf. Sci. Technol. 54(6):473–489

Forger DB, Peskin CS (2003) A detailed predictive model of the mammalian circadian clock. Proceedings of the National Academy of Sciences USA 100:14806–14811

Foster A, Ford N (2003) Serendipity and information seeking: an empirical study. J. Doc. 59(3):321–340

Gaizauskas R (2003) Recent advances in computational terminology. Comput. Linguist. 29(2):328–332

Gaizauskas R, Demetriou G, Artymiuk PJ, Willett P (2003) Protein structures and information extraction from biological texts: The PASTA system. Bioinformatics 19(1):135–143

Gardner C (2003) Meta-interpretation and hypertext fiction: A critical response. Comput. Humanit. 37(1):33–56

Gardner TS, Bernardo D di, Lorenz D, Collins JJ (2003) Inferring Genetic Networks and Identifying Compond Mode of Action via Expression Profiling. Science 301

Gerecke U, Sharkey NE, Sharkey AJC (2003) Common Evidence Vectors for Reliable Localization with SOM Ensembles. Neural Computing 55(3-4):499–519

Gheorghe M, Holcombe M (2003) Editorial. Special Issue, Cell Computing, BioSystems

Gheorghe M, Holcombe M (2003) Special issue: Cell computing. Biosystems 70(2):83–84

Gheorghe M, Ipate F, Holcombe M (2003) Testing stream Xmachines. Applied Algebra in Electronics, Computing and Communications

Gilbert M, Tyas A (2003) Layout optimization of large-scale pin-jointed frames. Eng. Comput. 20(7-8):1044–1064

Gillet VJ, Willett P, Bradshaw J (2003) Similarity searching using reduced graphs. J. Chem. Inf. Comput. Sci. 43(2):338–345

Gonzalez-Correa CA, Brown BH, Smallwood RH (2003) Low frequency electrical bioimpedance for the detection of inflammation and dysplasia in Barrett s oesophagus. Physiol Meas 24:291–296

Gotoh Y, Renals S (2003) Statistical Language Modelling. Lecture Notes in Artificial Intelligence 2705: Text- and Speech-Triggered Information Access 78–105

Gregson A, Hart A, Holcombe M, Ratnieks F (2003) Par tial nectar loads as a cause of multiple nectar transfer in the honey bee (Apis mellifera): a simulation model. Jour. Theo r. Biology 222(18)

Gregson AM, Hart AG, Holcombe M, Ratnieks FLW (2003) Partial nectar loads as a cause of multiple nectar transfer in the honey bee (Apis mellifera): a simulation model. J. Theor. Biol. 222(1):1–8

Grover C, Lapata M, Lascarides A (2003) A Comparison of Parsing Technology for the Biomedical Domain. Natural Language Engineering

Gunter B (2003) Digital information provision via interactive television: understanding the digital consumer. Aslib Proc. 55(1-2):43–51

Gunter B, Nicholas D, Huntington P, Williams P (2003) Digital interactive television: health information platform of the future? Aslib Proc. 55(5-6):346–356

Gunter B, Russell G, Withey R, Nicholas D (2003) The British Life and Internet project: inaugural survey findings. Aslib Proc. 55(4):203–216

Hain T (2003) Implicit Modelling of Pronunciation Variation in ASR. Speech Communication

Harrison AM, South DR, Willett P, Artymiuk PJ (2003) Representation, searching and discovery of patterns of bases in complex RNA structures. J. Comput.-Aided Mol. Des. 17(8):537–549

Heathwaite AL (2003) Making process-based knowledge useable at the operational level: a framework for modelling diffuse pollution from agricultural land. Environ. Modell. Softw. 18(8-9):753–760

Holcombe M (2003) Enterprise in the computing curriculum. Ingenia

Holcombe M (2003) XP after Enron can it survive? Extreme Programming and Agile Processes in Software Engineering (XP2003) Lncs 2675(18)

Holcombe M, Holcombe L, Gheorghe M, Talbot N (2003) A hybrid machine model of rice blast fungus, Magnaporthe grisea. Biosys tems 68:223–228

Holcombe M, Holcombe L, Gheorghe M, Talbot N (2003) A hybrid machine model of rice blast fungus, Magnaporthe grisea. Biosystems 68(2-3):223–228

Holliday JD, Jelfs SP, Willett P, Gedeck P (2003) Calculation of intersubstituent similarity using R-group descriptors. J. Chem. Inf. Comput. Sci. 43(2):406–411

Holliday JD, Salim N, Whittle M, Willett P (2003) Analysis and display of the size dependence of chemical similarity coefficients. J. Chem. Inf. Comput. Sci. 43(3):819–828

Holyroyd GH, Hetherington AM, Gray JE (2003) A Role for the cuticle waxes in the environmental control of stomatal development. New Phytologist 153:433–439

Hunt L, Mills LN, Pical C, Leckie CP, Aitken FL, Kopka J, Mueller-Roeber B, McAinsh MR, Hetherington AM, Gray JE (2003) Phospholipase C is required for the control of stomatal aperture by ABA. The Plant Journal 34:47–55

Husmeier D (2003) Reverse engineering of genetic networks with Bayesian networks. Biochemical Society Transactions 31(6):1516–1518

Husmeier D (2003) Sensitivity and specificity of inferring genetic regulatory interactions from microarray experiments with dynamic Bayesian networks. Bioinformatics 19(17):2271–2282

Ipate F, Holcombe M (2003) Testing nondeterministic Xmachines. Grammars and Automata for String Processing: from Mathematics and Computer Science to Biology, and Back 151–162

Ipate F, Gheorghe M, Holcombe M (2003) Testing (stream) X-machines. Applicable Algebra in Engineering, Communication and Computing 14:217–237

Ipate F, Gheorghe M, Holcombe M (2003) Testing (stream) X-machines. Appl. Algebr. Eng. Commun. Comput. 14(3):217–237

Ipate F, Gheorghe M, Holcombe M (2003) Testing (stream) X-machines. Appl. Algebr. Eng. Commun. Comput. 14(3):217–237

Irizarry RA, Bolstad BM, Collin F, Cope LM, Hobbs B, Speed TP (2003) Summaries of Affymetrix GeneChip Probe Level Data. Nucleic Acids Research 31(4):15

Irizarry RA, Hobbs B, Collin F, Beazer-Barclay YD, Antonellis KJ, Scherf U, Speed TP (2003) Exploration, normalization, and summaries of high density oligonucleotide array probe level data. Biostatistics 4(2):249–264

Jackson D, Holcombe M, Ratnieks F (2003) Coupled computational simulation and empirical research into the foraging system of Monomorium pharaonis. BioSystems

Jones DM, Smallwood RH, Hose DR, Brown BH, Walker DC (2003) Modelling of epithelial tissue impedance measured using three different designs of probe. Physiol Meas 24:605–623

Kefalas P, Eleftherakis G, Holcombe M, Gheorghe M (2003) Simulation and verification of P systems through communicating X-machines. BioSystems 70:135–148

Kefalas P, Eleftherakis G, Holcombe M, Gheorghe M (2003) Simulation and verification of P systems through communicating X-machines. Biosystems 70(2):135–148

Kefalas P, Eleftherakis G, Kehris E (2003) Communicating X-machines: a practical approach for formal and modular specification of large systems. Inf. Softw. Technol. 45(5):269–280

Kefalas P, Holcombe M, Eleftherakis G, Gheorghe M (2003) A formal method for the development of agent-based systems. Intelligent Agent Software Engineering 68–98

Keller F, Lapata M (2003) Using the Web to Obtain Frequencies for Unseen Bigrams. Computational Linguistics 29(3)

Keller F, Lapata M (2003) Using the Web to obtain frequencies for unseen bigrams. Comput. Linguist. 29(3):459–484

Koh SCL, Saad SM (2003) MRP-controlled manufacturing environment disturbed by uncertainty.

Robot. Comput.-Integr. Manuf. 19(1-2):157-171

Lapata M (2003) Book Review: The Semantics of Relationships, R.Green, C.A. Bean, and Sung Hyon Myaeng (editors). Computational Linguistics 29(2):325–324

Lapata M, Brew C (2003) Verb Class Disambiguation Using Informative Priors. Computational Linguistics

Lapata M, Lascarides A (2003) A Probabilistic Account of Logical Metonymy. Computational Linguistics 29(2):263–317

Lapata M, Lascarides A (2003) A probabilistic account of logical metonymy. Comput. Linguist. 29(2):261–315

Lapata M, Keller F, Scheepers C (2003) Intra-sentential Context Effects on the Interpretation of Logical Metonymy. Cognitive Science 27(4):651–670

Latif-Shabgahi G, Bennett S, Bass JM (2003) Smoothing voter: a novel voting algorithm for handling multiple errors in fault-tolerant control systems. Microprocess. Microsyst. 27(7):303–313

Lawrence ND (2003) Bayesian Processing of cDNA Microarray Images

Lawrence ND (2003) Bayesian Processing of cDNA Microarray Images

Lawrence ND (2003) Bayesian Processing of cDNA Microarray Images through the Variational Importance Sampler

Lawrence ND (2003) Particle Filters, Variational methods and Importance Sampling

Lawrence ND, Milo M (2003) Variational Importance Sampling

Lawrence ND, Tipping ME (2003) Generalised Component Analysis. The University of Sheffield, Department of Computer Science

Lawrence ND, Milo M, Niranjan M, Rashbass P, Soullier S (2003) Bayesian processing of microarray images. Neural Networks for Signal Processing XIII

Lawrence ND, Seeger M, Herbrich R (2003) Fast sparse Gaussian process methods: the informative vector machine. Advances in Neural Information Processing Systems

Lecumberri MLG, Cooke MP, Maidment J (2003) Transcripcion fonemica en internet. VIII Simposio Internacional de Comunicacion Social 1043–1047

Lecumberri MLG, Maidment J, Cooke MP, Ericsson A, Giurgiu M (2003) A web-based transcription tool. International Congress on Phonetic Science 981–984

Levy P, Ford N, Foster J, Madden A, Miller D, Nunes MB, McPherson M, Webber S (2003) Educational informatics: an emerging research agenda. J. Inf. Sci. 29(4):298–310

Liao JC, Boscolo R, Yang Y-L, Tran LM, Sabatti C, Roychowdhury VP (2003) Network Component Analysis: Reconstruction of Regulatory Signals in Biological Systems. Proceedings of the National Academy of Sciences USA 100(26):15522–15527

Lim CP, Harrison RF (2003) Online pattern classification with multiple neural network systems: An

experimental study. IEEE Trans. Syst. Man Cybern. Part C-Appl. Rev. 33(2):235-247

Macias F, Holcombe M, Gheorghe M (2003) Design led and design less: One experiment and two approaches. Lecture Notes in Computer Science 2675:394–401

Macias F, Holcombe M, Gheorghe M (2003) Designled and design less: one experiment and two approaches. Extreme Programming and Agile Processes in Software Engineering (XP2003) Lncs 2675:394–401

MacKay DJC (2003) Information Theory, Inference and Learning Algorithms. cup, Cambridge, U.K.

Mangan S, Alon U (2003) Structure and function of the feed-forward loop network motif. Proc. Natl. Acad. Sci. USA 100:11980–11985

May J, Dean MP, Barnard PJ (2003) Using film cutting techniques in interface design. Hum.-Comput. Interact. 18(4):325–372

Maynard D, Tablan V, Bontcheva K, Cunningham H (2003) Rapid customisation of an Information Extraction system for surprise languages. Special issue of ACM Transactions on Asian Language Information Processing: Rapid Development of Language Capabilities: The Surprise Languages

Maynard D, Tablan V, Bontcheva K, Cunningham H, Wilks Y (2003) MUlti-Source Entity recognition – an InformationExtraction System for Diverse Text Types. Department of Computer Science, University of Sheffield

Maynard D, Tablan V, Bontcheva K, Cunningham H, Wilks Y (2003) MUSE: a MUlti-Source Entity recognition system. Submitted to Computers and the Humanities

Milo M, Fazeli A, Niranjan M, Lawrence ND (2003) A probabilistic model for the extraction of expression levels from oligonucleotide arrays. Biochemical Transations 31(6):1510–1512

Milo M, Fazeli A, Niranjan M, Lawrence ND (2003) A Probabilistic Model for the Extraction of Expression Levels from Oligonucleotide Arrays. Biochemical Transations 31(6):1510–1512

Mitchinson B, Harrison RF (2003) Adaptive kernel-based equalization for non-stationary digital communications channels. Int. J. Syst. Sci. 34(12-13):693–703

Monk N (2003) Review of Imaginal Discs: The Genetic and Cellular Logic of Pattern Formation, by Lewis I. Held, Jr. (Cambridge University Press, 2002). BSDB Newsletter 24(1):17–18

Monk N, Lawrence N (2003) Unravelling Natures Networks (meeting report). The Biochemist 25(6):40–41

Monk NAM (2003) Oscillatory expression of Hes1, p53 and NF-kappaB driven by transcriptional time delays. Current Biology 13:1409–1413

Monk NAM (2003) Oscillatory expression of Hes1, p53, and NF-kappaB driven by transcriptional time delays. Current Biology 13:1409–1413

Monk NAM (2003) Unravelling natures networks. Biochemical Society Transactions 31:1457–1461

Moore RK (2003) Towards Ruggedised Speech Technology: A Pre-Cursor Study. 20/20 Speech Doc. No. 50303-rkm-1

Nicholas D, Huntington P, Gunter B, Russell C, Withey R (2003) The British and their use of the Web for health information and advice: a survey. Aslib Proc. 55(5-6):261–276

Nicholas D, Huntington P, Williams P, Gunter B (2003) "Search disclosure" – Understanding digital information platform preference and location in a health environment. J. Doc. 59(5):523–539

Nicholas D, Huntington P, Williams P, Gunter B (2003) First steps towards providing the UK with health care information and advice via their television sets: an evaluation of four Department of Health sponsored pilot services. Aslib Proc. 55(3):138–154

Nicholas D, Williams P, Huntington P, Gunter B (2003) Broadband nursing – A multi-method evaluation of a one-way video-conferencing health information and advice service: "InVision". J. Doc. 59(3):341–358

Nirenburg S, Somers H, Wilks Y (2003) Readings in Machine Translation. MIT Press

O Neill P, Magoulas GD, Liu X (2003) Improved Processing of Microarray Data using Image Reconstruction Techniques

Oba S, Sato M-aki, Takemasa I, Monden M, Matsubara K-ichi, Ishii S (2003) A Bayesian missing value estimation method for gene expression data. Bioinformatics 19(16):2088–2096

Page K, Maini PK, Monk NAM (2003) Pattern formation in spatially heterogeneous Turing reaction diffusion models. Physica D 181:80–101

Pastra K, Saggion H, Wilks Y (2003) Extracting relational facts for indexing and retrieval of crimescene photographs. Knowledge-Based Systems

Perrin B, Ralaivola L, Mazurie A, Bottani S, Mallet J, D Alche-Buc F (2003) Gene networks inference using dynamic Bayesian networks. Bioinformatics 19 (Suppl 2):138

Rasmussen CE (2003) Gaussian processes to speed up Hybrid Monte Carlo for expensive Bayesian integrals

Raymond JW, Willett P (2003) A line graph algorithm for clustering chemical structures based on common substructural cores. Match-Commun. Math. Cmput. Chem. (48):197–207

Raymond JW, Willett P (2003) Similarity searching in databases of flexible 3D structures using smoothed bounded distance matrices. J. Chem. Inf. Comput. Sci. 43(3):908–916

Raymond JW, Blankley CJ, Willett P (2003) Comparison of chemical clustering methods using graphand fingerprint-based similarity measures. J. Mol. Graph. 21(5):421–433

Rhodes N, Willett P, Calvet A, Dunbar JB, Humblet C (2003) CLIP: Similarity searching of 3D databases using clique detection. J. Chem. Inf. Comput. Sci. 43(2):443–448

Riddalls CE, Bennett S (2003) Quantifying bounded rationality: Managerial behaviour and the Smith predictor. Int. J. Syst. Sci. 34(6):413–426

Roman N, Wang DL, Brown GJ (2003) Speech segregation based on sound localization. Journal of the Acoustical Society of America 114(4):2236–2252

Saggion H, Cunningham H, Bontcheva K, Maynard D, Hamza O, Wilks Y (2003) Multimedia Indexing through Multisource and Multilingual Information Extraction; the MUMIS project. Data and

Knowledge Engineering 48

Salim N, Holliday J, Willett P (2003) Combination of fingerprint-based similarity coefficients using data fusion. J. Chem. Inf. Comput. Sci. 43(2):435–442

Schnabel JA, Tanner C, Castellano-Smith AD, Degenhard A, Leach MO, Hose DR, Hill DLG, Hawkes DJ (2003) Validation of nonrigid image registration using finite-element methods: Application to breast MR images. IEEE Trans. Med. Imaging 22(2):238–247

Segal E, Shapira M, Regev A, Pe er D, Botstein D, Koller D, Friedman N (2003) Module Networks: identifying regulatory modules and their condition-specific regulators from gene expression data. Nature Genetics 34(2):166–176

Sewell HI, Stone DA, Bingham CM (2003) Dynamic load impedance matching for induction heater systems. Compel-Int. J. Comp. Math. Electr. Electron. Eng. 22(1):30–38

Simons AJH (2003) The Theory of Classification, Part 5: Axioms, Assertions and Subtyping. Journal of Object Technology 2(1):13–21

Simons AJH (2003) The Theory of Classification, Part 6: The Subtyping Inquisition. Journal of Object Technology 2(2):17–26

Simons AJH (2003) The Theory of Classification, Part 7: A Class is a Family of Types. Journal of Object Technology 2(3):13–22

Simons AJH (2003) The Theory of Classification, Part 8: Classification and Inheritance. Journal of Object Technology 2(4):55–64

Simons AJH (2003) The Theory of Classification, Part 9: Inheritance and Self-Reference. Journal of Object Technology 2(6):25–34

Slater A, Scott N, Fowler M (2003) Plant Biotechnology. Oxford University Press

Soinov L, Kapushesky M (2003) Unraveling nature s networks. Genome Biology 4(341)

Soinov LA, Krestyaninova MA, Brazma A (2003) Towards reconstruction of gene networks from expression data by supervised learning. Genome Biology 4(1):6

Spriggs RV, Artymiuk PJ, Willett P (2003) Searching for patterns of amino acids in 3D protein structures. J. Chem. Inf. Comput. Sci. 43(2):412–421

Stannett M (2003) Computation and Hypercomputation. Minds and Machines 13(1):115–153

Stark J, Brewer D, Barenco M, Tomescu D, Callard R, Hubank M (2003) Reconstructing gene networks: what are the limits? Biochemical Society Transactions 31(6):1519–1525

Stevenson M (2003) Word Sense Disambiguation: The Case for Combinations of Knowledge Sources. CSLI Studies in Computational Linguistics

Stevenson M, Wilks Y (2003) Word Sense Disambiguation. Oxford Handbook of Computational Linguistics

Stewart P, Fleming PJ, MacKenzie SA (2003) Real-time simulation and control systems design by the Response Surface Methodology and designed experiments. Int. J. Syst. Sci. 34(14-15):837–850

Subudhi B, Morris AS (2003) Singular perturbation approach to trajectory tracking of flexible robot with joint elasticity. Int. J. Syst. Sci. 34(3):167–179

Tanenbaum AS (2003) Computer Networks. Prentice-Hall, Upper Saddle River, NJ

Tesar V (2003) "Fluid plug" microfluidic valve for low Reynolds number fluid flow selector units. J. Vis. 6(1):77–85

Thomas ARC, Monk NAM, Cannings C (2003) On the structure of protein-protein interaction networks. Biochemical Society Transactions 31:1491–1496

Thomas DN, Dieckmann GS (2003) Sea ice – an introduction to its physics, chemistry, biology and geology. Blackwell Science Ltd, Oxford, 402 pp

Tipping ME, Lawrence ND (2003) A variational approach to robust Bayesian interpolation. Neural Networks for Signal Processing XIII

Wainwright MJ, Jordan MI (2003) Graphical models, exponential families, and variational inference. UC Berkeley, Dept of Statistics

Walker DC, Brown BH, Blackett AD, Tidy J, Smallwood RH (2003) A study of the morphological parameters of cervical squamous epithelium. Phys Meas 24:121–135

Walker M, Whittaker S, Stent A, Maloor P, Moore J, Johnston M, Vasireddy G (2003) Generation and Evaluation of User Tailored Responses in Multimodal Dialogue. Cognitive Science 28(5):811–840

Watt A, Policarpo F (2003) Three-dimensional Games: Vol 2: Animation and Advanced Real-time Rendering and Software Technology. Pearson Education

Watt AH, Maddock SC (2003) Mainstream Rendering Techniques. The Computer Science and Engineering Handbook

Webber S (2003) Information science in 2003: a critique. J. Inf. Sci. 29(4):311–330

Wellington J (2003) Issues in teaching using ICT. Comput. Educ. 40(2):194–195

Whittle M, Willett P, Klaffke W, van Noort P (2003) Evaluation of similarity measures for searching the Dictionary of Natural Products database. J. Chem. Inf. Comput. Sci. 43(2):449–457

Wilks Y, Catizone R (2003) What is lexical tuning? Journal of Semantics 19:167–190

Wilton D, Willett P, Lawson K, Mullier G (2003) Comparison of ranking methods for virtual screening in lead-discovery programs. J. Chem. Inf. Comput. Sci. 43(2):469–474

Winkler JR (2003) A companion matrix resultant for Bernstein polynomials. Linear Algebra and Its Applications 362:153–175

Winkler JR (2003) A companion matrix resultant for Bernstein polynomials. Linear Algebra and Its Applications 362:153

Winkler JR (2003) A statistical analysis of the numerical condition of multiple roots of polynomials. Computers and Mathematics with Applications 45:9–24

Winkler JR (2003) A statistical analysis of the numerical condition of multiple roots of polynomials. Computers and Mathematics with Applications 9:9–24

Winkler JR (2003) A statistical analysis of the numerical condition of multiple roots of polynomials. Comput. Math. Appl. 45(1-3):9–24

Winkler JR, Goldman RN (2003) The Sylvester resultant matrix for Bernstein polynomials. Curve and Surface Design 407–416

Wright T, Gillet VJ, Green DVS, Pickett SD (2003) Optimizing the size and configuration of combinatorial libraries. J. Chem. Inf. Comput. Sci. 43(2):381–390

Wu M, Wang DL, Brown GJ (2003) A multipitch tracking algorithm for noisy speech. IEEE Transactions on Speech and Audio Processing 11(3):229–241

Wu S, Chen D, Niranjan M, Amari S (2003) Sequential Bayesian decoding with a population of neurons. Neural Computation 15(5):993–1012

Wu S, Chen D, Niranjan M, Amari S-ichi (2003) Sequential Bayesian decoding with a population of neurons. Neural Computation 15(5):993–1012

Yuille AL, Rangarajan A (2003) The Concave-Convex Procedure (CCCP). Neural Computation 14(4)