
2017
(1) Waleed W. Smari, Claudia Diamantini, Frank X. Liu, Mads Nygård (Eds.):
“Special Issue on Trends and Advances in Collaboration Technologies and Systems”;
In International Journal: Concurrency and Computation - Practice and Experience;Volum 29 (8), John Wiley, Hoboken – USA

(2) Sigmund Grønmo, Mads Nygård, Astrid Widding, Lisbeth Forsee, Stefan Lindgren, Camilla Lindmark, Jeanet Johansen, Drude Rohde, Vibeke Fahlen:
“A1 Institusjonssakræditering - Aarhus Universitet (AU)”;
Danmarks Akkreditieringsinstitution, 101 pages, Copenhagen - Denmark

2016
(3) Mads Nygård:
“U-MULTIRANK: Universities' First Experiences”;
Invited Keynote Speech CRP: 35th Conference of Rectors and Presidents of European Universities of Technology, Lodz - Polen

2015
(4) Mads Nygård:
“Rankings of Engineering Institutions – the Way they are, and the Way they should be”;
Invited Keynote Speech IREG Forum: 2015 Observatory on Academic Ranking and Excellence - Rankings by Subject, Aalborg - Denmark

(5) Waleed W. Smari, Geoffrey C. Fox, Mads Nygård (Eds.):
“Proceedings of the 2015 International Conference on Collaboration Technologies and Systems”;
Proc CTS 2015:16th Int. Conference, 506 pages, Atlanta - USA

(6) Roger Midtstraum, Mads Nygård, Bjørn Torger Stokke:
“NTNUs teknologiumdanninger 1993-2014 - Utdanningsledelse i et 20-årsperspektiv”;
In Proc MNT 2015: Teach Less - Learn More, Bergen - Norway

(7) Olov Engwall, Mads Nygård, Helen Sofie Haugen:
“NOKUT Kartlegging av læringsutbyttebeskrivelser - Evaluering av læringsutbyttebeskrivelser innen datafag”;
Nasjonalt organ for kvalitet i utdanningen, 59 pages, Oslo - Norway

2014
(8) Waleed W. Smari, Geoffrey C. Fox, Mads Nygård (Eds.):
“Proceedings of the 2014 International Conference on Collaboration Technologies and Systems”;
Proc CTS 2014:15th Int. Conference, 670 pages, Minneapolis - USA

(9) Alice Palmer, Mads Nygård, Andreas Mortensen, Mads Søndergaard, Daniel Hansen, Vibeke Fahlen:
“A1 Institusjonssakræditering - Danmarks Tekniske Universitet (DTU)”;
Danmarks Akkreditieringsinstitution, 74 pages, Copenhagen - Denmark

(10) Mads Nygård:
“How to create good, future-proof coffee machines from today’s youth? Or how NTNU trains its Siv.ing.-kandidater? And why does NTNU do it that way?”;
Invited Talk: UIO Management, Oslo - Norway

2013
(11) Mads Nygård:
“Rankings: No one Likes them - Everyone Checks them”;
Invited Talk EAIE 2013: 25th Int. Conference on Weaving the Future of Global Partnerships, Istanbul - Turkey

(12) Jianqiang Ma, Habtamu Abie, Torbjørn Skramstad, Mads Nygård:
“Development and Validation of Requirements for Evidential Value for Assessing Trustworthiness of Digital Records over Time”;
In International Journal: INFORMATION;Volum 16 (3A), Pages 1945-1980 (36 pages), International Information Institute, Koganei - Japan
(13) Mads Nygård:
“Hvordan lage gode kaffemaskiner ut av dagens ungdom? Eller hvordan utdanner NTNU sine Siv.ing.-kandidater? Og hvorfor gjør NTNU det annerledes enn DTU?”;
Invited Talk: DTU Management, Copenhagen - Denmark

2012
(14) Waleed W. Smari, Sandro Fiore, Mads Nygård (Eds.):
“Special Issue on Advances in High Performance Computing and Simulation”;
In International Journal: Concurrency and Computation - Practice and Experience; Volum 24 (7), John Wiley, Hoboken - USA

2011
(15) Erlend Tøssebro, Mads Nygård:
“Representing topological relationships for spatiotemporal objects”;
In International Journal: GEOINFORMATICA, Volum 15 (4), Pages 633-661 (29 pages), Springer, Berlin - Germany

(16) Feng Luan, Mads Nygård:
“A Metadata Extraction Approach for Selecting Migration Solutions”;
In International Journal LIDIWC: Digital Information and Wireless Communications, Volum 1 (3), Pages 194-207 (14 pages), The Society of Digital Information and Wireless Communications, Hong Kong - China

(17) Feng Luan, Mads Nygård:
“MMET: A Migration Metadata Extraction Tool for Long-term Preservation Systems”;

(18) Fang Chen, Mads Nygård, Guttorm Sindre, Torbjørn Skramstad, Shengtong Zhong:
“Empirical Study on Quality Requirements of Migration Metadata”;

(19) Feng Luan, Mads Nygård, Guttorm Sindre, Torbjørn Skramstad, Også Journal?
“Using a Multi-Criteria Decision Making Approach to Evaluate Format Migration Solutions”;

(20) Jianqiang Ma, Habtamu Abie, Torbjørn Skramstad, Mads Nygård:
“Assessment of the Trustworthiness of Digital Records”;
In Proc IFIPMT 2011: 5th IFIP Internat. Conference on Trust Management, Copenhagen – Denmark (Også Journal?)

(21) Jianqiang Ma, Habtamu Abie, Torbjørn Skramstad, Mads Nygård:
“A framework for the assessment of the trustworthiness of digital records over time”;

(22) Jianqiang Ma, Habtamu Abie, Torbjørn Skramstad, Mads Nygård:
“On Time, Conflict, Weighting and Dependency Aspects of Assessing the Trustworthiness of Digital Records”;
In Proc DEPEND 2011: 4th Int. Conference on Dependability. Nice - France

(23) Dag Rune Olsen, Geir Egil Øien, Bjørn Hafskjold, Ingvold Strømmen, Mads Nygård, Morten Hald, Edel Oddny Elvevoll, Knut Fægri:
“Styrk finansieringen!”;
In National Newspaper: AFTENPOSTEN, Oslo - Norge

2010
(24) Feng Luan, Mads Nygård, Thomas Mestl:
“A Survey of Digital Preservation Strategies”;
In International Journal WDL: WORLD DIGITAL LIBRARIES, Volume 3 (2), Pages 133 - 150 (18 pages), Teri, New Delhi - India

(25) Feng Luan, Mads Nygård:
“Records Transition Survival – When Used over Several Decades”;

A3: 2 of 8
(26) Feng Luan, Mads Nygård, Thomas Mestl:
“A Mathematical Framework for Modelling and Analyzing Migration Time”;
In Proc JCDL 2010: 10th Joint Conference on Digital Libraries, Brisbane – Australia

(27) Feng Luan, Thomas Mestl, Mads Nygård:
“Quality Requirements of Migration Metadata in Long-term Digital Preservation Systems”;
In Proc MTSR 2010: 4th Metadata and Semantics Research Conference, Madrid – Spain

2009
(28) Feng Luan, Mads Nygård et. all. (four authors in total):
In Proc IPP’09: 1st Internat. Symposium of the InterPares Project, Seoul – South Korea

(29) Jianqiang Ma, Mads Nygård et. all. (four authors in total):
“Requirements for Evidential Value for the Assessment of the Trustworthiness of Digital Records over Time”;
In Proc TSP’2009: 2nd IEEE Internat. Symposium on Trust, Security and Privacy for Pervasive Applications, Macao – China

(30) Mads Nygård:
“Research and Higher Education”;
Invited Talk – TransAtlantic Science Week, University of Minnesota, Minneapolis - USA

2008
(31) Alf Inge Wang, Mads Nygård et. all. (six authors in total):
“From Scenarios to Requirements in Mobile Client-Server Systems”;
In Book Designing Software-Intensive Systems: Methods and Principles, Pages 80 - 101 (22 pages),
Information Science Reference, Hershey – USA

(32) Birgitta Stymne, Mads Nygård, Kai Borre:
“International Evaluation of Norwegian Engineering Degree Programmes – Volume I:IV”;
NOKUT – Norwegian Evaluation Institute, Oslo – Norway

(33) Erlend Tøssebro, Mads Nygård:
“Representing Uncertainty in Spatial Databases”;

(34) Erlend Tøssebro, Mads Nygård:
“Computing the Probabilities of Operations in Vector Models for Uncertain Spatial Data”;

(35) Hien Nam Le, Mads Nygård:
“A Transaction Framework for Mobile Data Sharing Services”;

2007
(36) Hien Nam Le, Mads Nygård:
“A Transaction Model for Supporting Mobile Collaborative Works”;
In Proc. CTS’07: 7th Internat. Symposium on Collaborative Technologies and Systems, Orlando – USA

(37) Hien Nam Le, Mads Nygård:
“A Mobile Database Sharing Protocol to Increase Data Availability in Mobile Environments”;

(38) Mads Nygård:
“Peer-to-peer Technology: Where Is It Heading?”;

(39) Mads Nygård:
“The Mobility Issues of Transaction Processing”;
Invited Talk – Department of Informatics, University of Nice, Nice - France
Mads Nygård:
“Some Mobility Issues of Collaborative Work”;
Invited Talk – Department of Computer Science, University of Grenoble, Grenoble - France

Mads Nygård:
“Mobility: Transactional Issues in Collaborative Works”;
Invited Talk – Department of Informatics, University of Rome, Rome - Italy

Mads Nygård:
“Mobility: Collaboration and Transactional Aspects”;
Invited Talk – Department of Computer Science, University of Aarhus, Aarhus - Denmark

2006
Mads Nygård, Christian Thune:
“International Benchmarking of Danish Computer Science Programmes”;
EVA – Danish Evaluation Institute, Copenhagen – Denmark

Erlend Tøssebro, Mads Nygård:
“Representing Topological Relationships for Moving Objects”;

Mads Nygård, Hien Nam Le:
“Transaction Processing with Mobile Collaborative Works”;

2005
Klemens Böhm, Mads Nygård:
“Conference Brochure”;
31st Internat. Conference on Very Large Data Bases, Trondheim – Norway

Hien Nam Le, Mads Nygård:
“Mobile Transaction System for Supporting Mobile Work”;

Hien Nam Le, Mads Nygård:
“A Mobile Affiliation Model for Supporting Mobile Collaborative Work in Mobile Environments”;

Alf Inge Wang, Mads Nygård et. all. (six authors in total):
“Using the MOWAHS Characterisation Framework for Development of Mobile Work Applications”;

2004
Heri Ramampiaro, Mads Nygård:
“CAGISTrans: Providing Adaptable Transactional Support for Cooperative Work – An Extended Treatment”;
In Journal ITM: Information Technology and Management Journal, Volume 05 (2004), Pages 23 - 64 (42 pages), Kluwer Academic, Norwell - USA

Erlend Tøssebro, Mads Nygård:
“Computing Probabilities of Fuzzy Set Values in Vector Models for Uncertain Data”;

Erlend Tøssebro, Mads Nygård:
“A Discrete Model for Topological Relationships between Uncertain Spatial Objects”;
In Proc. SDH’04: 11th Internat. Symposium on Spatial Data Handling, Leicester – England

Hien Nam Le, Mads Nygård et. all. (three authors in total):
“A Locking Model for Mobile Databases in Mobile Environments”;
(54) Susmit Bagchi, Mads Nygård:
“On the Concept of Mobile Distributed Virtual Memory Systems”;

(55) Susmit Bagchi, Mads Nygård:
“A Fuzzy Adaptive Algorithm for Fine Grained Disk Cache Paging”;

(56) Susmit Bagchi, Mads Nygård:
“Designing the Fuzzy Adaptive Cache Swapper for an MDVM System”;
*In Proc. ICCC’04: Internat. Conference on Computational Cybernetics, Vienna – Austria*

(57) Susmit Bagchi, Mads Nygård:
“Designing the MDVM-Stub and Memory Estimator”;

2003

(58) Erlend Tøssebro, Mads Nygård:
“A Discrete Model for Spatial Data with Temporal Uncertainty”;
*In Proc. IKS’03: 2nd Internat. Conference on Information and Knowledge Sharing, Scottsdale – USA*

(59) Erlend Tøssebro, Mads Nygård:
“A Medium Complexity Discrete Model for Uncertain Spatial Data”;
*In Proc. IDEAS’03: 7th Internat. Symposium on Database Engineering and Applications, Hong Kong – China*

(60) Heri Ramampiaro, Mads Nygård et. al. (five authors in total):
“Requirement Indicators for Mobile Work - The MOWAHS Approach”;

(61) Susmit Bagchi, Mads Nygård:
“Application Controlled IPC Synchrony – An Event Driven Multithreaded Approach”;
*In Proc. ICCS’03: Internat. Conference on Computational Sciences, St. Petersburg – Russia*

(62) Mads Nygård:
“Transactional Support for Cooperative Work”;
Invited Talk - Department of Computer Science, Georgetown University, Washington D.C. - USA

2002

(63) Heri Ramampiaro, Mads Nygård:
“Customised Transactional Support for Cooperative Work: An Experience Paper”;
*In Proc. CTS’02: 3rd Internat. Symposium on Collaborative Technologies and Systems, San Antonio - USA*

(64) Erlend Tøssebro, Mads Nygård:
“Abstract and Discrete Models for Uncertain Spatiotemporal Data”;
*In Proc. SSDBM’02: 14th Internat. Conference on Scientific and Statistical Database Management, Edinburgh – Scotland*

(65) Erlend Tøssebro, Mads Nygård:
“Uncertainty in Spatiotemporal Databases”;
*In Proc. ADVIS’02: 2nd Internat. Conference on Advances in Information Systems, İzmir – Turkey*

(66) Erlend Tøssebro, Mads Nygård:
“An Advanced Discrete Model for Uncertain Spatial Data”;
*In Proc. WAIM’02: 3rd Internat. Conference on Web-Age Information Management, Beijing – China*

(67) Carl Fredrik Sørensen, Mads Nygård et. all. (six authors in total):
“The MOWAHS Characterisation Framework for Mobile Work”;

2001

(68) Heri Ramampiaro, Mads Nygård:
“CAGIS Trans: A Transactional Framework for Cooperative Work”;
*In Proc. PDCS’01: 14th Internat. Conference on Parallel and Distributed Systems, Richardson - USA*
(69) Heri Ramampiaro, Mads Nygård:
“CAGIS Trans: Providing Adaptable Transactional Support for Cooperative Work”;
In Proc. CI$T$’01: 6th INFORMS Conference on Information Systems and Technology, Miami – USA

(70) Erlend Tøssebro, Mads Nygård:
“Modelling Uncertainty in Spatial and Spatiotemporal Databases”;
Invited Talk - WIM’01 Wireless Information Management, Aalborg – Denmark

2000

(71) Mads Nygård:
“In Search of Transactional Quarks”;
Invited Talk - Department of Computer Science, University of Cape Town, Cape Town - South Africa

(72) Mads Nygård:
“Theoretical and Applied Mathematics - A Computer Science Viewpoint”;
Invited Talk – In Proc. 1st Nordic Workshop on Mathematics Education for MSc Students, Trondheim - Norway

1999

(73) Heri Ramampiaro, Mads Nygård:
“Cooperative Database System: A Constructive Review of Cooperative Transaction Models”;
In Proc. DANTE’99: 1999 Internat. Symposium on Database Applications in Non-Traditional Environments, Kyoto - Japan

1998

(74) Mads Nygård et. all. (three authors in total):
“The TRENDS Research Project - Report from the External Reviews”;
EU Report EU-TRENDS-98-01, Brussels - Belgium

1997

(75) Mads Nygård:
“Stepwisly Committing Transactions: How to Manage their Termination in Distributed Databases”;
Invited Talk - Department of Computer and Information Science, Norwegian University of Science and Technology, Trondheim - Norway

1996

(76) Vera Goebel, Mads Nygård et. all. (four authors in total):
“OMODIS - Object-Oriented Modelling and Database Support for Distributed Multimedia Systems”;
In Proc. NIK’96: 9th Norwegian Informatics Conference, Alta – Norway [Also available as SINTEF Report STF40 A96087]

1995

(77) Mads Nygård:
“Tailor-Made Concurrency Control - Distributed Transactions As A Case”; 

(78) Agnar Aamodt, Mads Nygård:
“Different Roles and Mutual Dependencies of Data, Information and Knowledge - An AI Perspective on their Integration”; 
In Journal DKE: Data and Knowledge Engineering, Volume 16 (1995), Pages 191 - 222 (32 pages), North Holland Elsevier, Amsterdam - The Netherlands

(79) Bente Gaarder Andersen, Mads Nygård et. all. (three authors in total):
“RTI / ITS in Integrated Operation - Norway’s Regional Road Traffic Centres”;

1994

(80) Mads Nygård:
“Tailor-Made Concurrency Control with Specialized Distributed Transactions”;
In Proc. ACIS’94: 5th Australasian Conference on Information Systems, Melbourne - Australia [Also available as SINTEF Report STF40 A94141]
(81) Mads Nygård:
“Partial Recoverability with Distributed Transactions”;

(82) Mads Nygård:
“Concurrency Control and Distributed Transactions: An Efficient Approach”;
In Proc. SCCC ’94: 14th Internat. Conference of the Chilean Computer Science Society, Conception - Chile [Also available as SINTEF Report STF40 A94144]

(83) Mads Nygård:
“Recovery of Distributed Transactions: A Flexible Approach”;
In Proc. SCCC ’94: 14th Internat. Conference of the Chilean Computer Science Society, Conception - Chile [Also available as SINTEF Report STF40 A94143]

(84) Mads Nygård:
“Reflections on State-of-the-Art within RTI / IVHS”;

1993

(85) Mads Nygård:
“Relaxed Criteria for Concurrency Control in Distributed Databases”;
In Proc. IFIP TC6’93 Internat. Symposium on Network Information Processing Systems, Sofia - Bulgaria [Also available as SINTEF Report STF40 A93160]

(86) Mads Nygård:
“Sensible Variants of Non-Serializability in Replicated Distributed Databases”; 
In Proc. IFIP TC6’93 Internat. Symposium on Network Information Processing Systems, Sofia - Bulgaria [Also available as SINTEF Report STF40 A93161]

(87) Mads Nygård:
“Article-Acquisition: A Scenario for Non-Serializability in a Distributed Database”;
In Proc. PARLE ’93: 1993 Parallel Architectures and Languages Europe Conference, Munich - Germany [Also available as SINTEF Report STF40 A93152]

(88) Mads Nygård:
“Multi-Criteria: Degrees of Recoverability in Distributed Databases”;
In Proc. PARLE ’93: 1993 Parallel Architectures and Languages Europe Conference, Munich - Germany [Also available as SINTEF Report STF40 A93153]

(89) Mads Nygård:
“BINMOD: A Model for Non-Serializability in Distributed Databases”;
BNCOD 11: 11th British National Conference on Databases, Stoke - England [Also available as SINTEF Report STF40 A93150]

(90) Mads Nygård:
“VARCRIT: Degrees of Serializability in Replicated Distributed Databases”; 
BNCOD 11: 11th British National Conference on Databases, Stoke - England [Also available as SINTEF Report STF40 A93151]

(91) Mads Nygård, Agnar Aamodt:
“Road Transport Informatics: Conceptual Framework and Technological Components”;

(92) Mads Nygård:
“Distributed Databases - Limitations and Possibilities”; 
Invited Talk - IFIP TC6’93 Internat. Symposium on Network Information Processing Systems, Sofia - Bulgaria [Also available as SINTEF Report STF40 A93162]

1992

(93) Mads Nygård et. all. (four authors in total): 
“Automatic Traffic Control in Norway - Functional and Political Issues”;
(94) Kåre Rumar, Mads Nygård et. all. (nine authors in total):

“Intelligent Vehicle Highway Systems - Theoretical Study”;
OECD Report DSTI/RTR/RVC(92)1, Paris - France

(95) Frank J. Mammano, Mads Nygård et.all. (eight authors in total):

“Intelligent Vehicle Highway Systems - Practical Evaluation”;  
OECD Report DSTI/RTR/RVC(92)2, Paris - France