

Publications – Dimitri Konstantas

CONFERENCES

1. Abbass Hammoud, Michel Deriaz, Dimitri Konstantas, UltraSense: A Self-Calibrating Ultrasound-Based Room Occupancy Sensing System, 8th International Conference on Ambient Systems, Networks and Technologies, ANT-2017 and the 7th International Conference on Sustainable Energy Information Technology, SEIT 2017, 16-19 May 2017, Madeira, Portugal, Elhadi Shakshuki (Ed.)
2. Kostopoulos P., Kyritsis A.I., Deriaz M., Konstantas D. (2017) Stress Detection Using Smart Phone Data. In: Giokas K., Bokor L., Hopfgartner F. (eds) eHealth 360°. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 181. Springer, Cham
3. Grigorios G. Anagnostopoulos, Michel Deriaz and Dimitri Konstantas, A Multiobjective Optimization Methodology of Tuning Indoor Positioning Systems, 8th International Conference on Indoor Positioning and Indoor Navigation (IPIN), 18-21 September 2017, Sapporo Japan
4. Grigorios G. Anagnostopoulos, Michel Deriaz, Jean-Michel Gaspoz, Dimitri Konstantas and Idris Guessous, Navigational Needs and Requirements of Hospital Staff: Geneva University Hospitals Case Study, 8th International Conference on Indoor Positioning and Indoor Navigation (IPIN), 18-21 September 2017, Sapporo Japan
5. Abbass Hammoud, Michel Deriaz, Dimitri Konstantas and Athanasios Kyritsis Enhanced still presence sensing with supervised learning over segmented ultrasonic reflections, 8th International Conference on Indoor Positioning and Indoor Navigation (IPIN), 18-21 September 2017, Sapporo Japan
6. Athanasios I. Kyritsis, Michel Deriaz, Dimitri Konstantas, “Stress Detection Using Smart Phone Data”, eHealth 360°, Volume 181 of the series Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering pp 340-351, December 2016
7. C. Tsiourti, M. Ben-Moussa, J. Quintas, B. Loke, I. Jochem, J. A. Lopes, and D. Konstantas, “A Virtual Assistive Companion for Older Adults: Design and Evaluation of a Real-World Application”, in Proceedings of SAI Intelligent Systems Conference 2016, September 2016, London, United Kingdom.
8. Athanasios I. Kyritsis ; Panagiotis Kostopoulos ; Michel Deriaz ; Dimitri Konstantas, « A BLE-based probabilistic room-level localization method », 2016 International Conference on Localization and GNSS (ICL-GNSS), Barcelona, Spain , 28-30 June 2016
9. Abbass Hammoud ; Michel Deriaz ; Dimitri Konstantas, « Robust ultrasound-based room-level localization system using COTS components », Fourth International Conference on Ubiquitous Positioning, Indoor Navigation and Location Based Services (UPINLBS), Nov. 3-4 2016, Shanghai, China
10. Panagiotis Kostopoulos, Athanasios I. Kyritsis, Michel Deriaz, Dimitri Konstantas, « F2D: A Location Aware Fall Detection System Tested with Real Data from Daily Life of Elderly People ». EUSPN/ICTH 2016: 212-219
11. Grigorios G. Anagnostopoulos, Carlos Martinez de la Osa, Tiago Nunes, Abbass Hammoud, Michel Deriaz, Dimitri Konstantas, « Practical evaluation and tuning methodology for indoor positioning systems ». UPINLBS 2016: 130-139
12. David Portugal, Miguel Sales Dias, Eleni Christodoulou, Marios Belk, João Quintas, Pedro Nunes, George Samaras, Sten Hanke, Markus Müllner-Rieder, Christoph Glauser, Mehdi Snene, Dimitri Konstantas, « CogniWin: An Integrated Framework to Support Older Adults at Work » 24th Conference on User Modeling, Adaptation and Personalization, Halifax, Canada, 13-16 July 2016
13. Carlos Martinez de la Osa, Grigorios G. Anagnostopoulos, Mauricio Togneri, Michel Deriaz, Dimitri Konstantas « Positioning evaluation and ground truth definition for real

- life use cases ». IPIN 2016 : Indoor Positioning and Indoor Navigation conference, University of Alcalá, Alcalá de Henares (Madrid), Spain, October 4-7, 2016
14. Snene, Mehdi, Manel Sghir, and Dimitri Konstantas. "Preco Framework: A Predictive Approach for Comorbidities Risk Assessment." International Conference on Smart Homes and Health Telematics. 29th - 31st August 2017, Paris, France, Springer International Publishing, 2015.
 15. Frigidis, Garyfallos, and Dimitri Konstantas (2015), "A Conceptual Framework for Mobile Service Value", in Conference on Virtual Enterprises, Albi, France, 5-7 October 2015, pp. 345-356, Springer International Publishing.
 16. Garyfallos Frigidis, Dimitri Konstantas, Dimitri Paschaloudis, « A Classification Framework of Value Co-creation in Electronic and Mobile Services », Proceedings of the 5th International Conference, IESS 2014, Geneva, Switzerland, February 5-7, 2014, and published in Exploring Services Science, Lecture Notes in Business Information Processing, vol. 169, pp 40-55
 17. Dimitri Konstantas, La révolution des mobiles, Colloque international 1ères Journées "e-media", Le futur est-il « e-media » ?, 10-11 mai 2013, Geneve.
 18. Pawar, P., van Beijnum, B.J., Wac, K., Hermens, H., Konstantas, D., "Towards Location Based QoS-Aware Network Selection Mechanism for the Nomadic Mobile Services", IEEE Consumer Communications and Networking Conference, Special Session on Beyond GPS - Where Navigation meets Consumer Communications (CCNC09), 10 - 13 January 2009, Las Vegas, Nevada, USA, IEEE Communications Society Press.
 19. Elias Kalapanidas, Hikari Watanabe, Costas Davarakis, Hannes Kaufmann, Fernando Fernandez Aranda, Tony Lam, Todor Ganchev and Dimitri Konstantas, PlayMancer: A European Serious Gaming 3D Environment, Proceedings of the 2nd International Workshop on e-health Services and Technologies - EHST 2008 in Conjunction with ICISOFT 2008, Porto-Portugal, July 2008, pp 51-59 ISBN 978-989-8111-56-2
 20. Pravin Pawar, Bert-Jan van Beijnum, Hermie Hermens, Dimitri Konstantas, "Analysis of Context-Aware Network Selection Schemes for Power Savings" be presented in the 2008 IEEE Asia-Pacific Services Computing Conference (IEEE APSCC 2008), December 9-12, 2008, Yilan, Taiwan
 21. Pravin Pawar, Bert-Jan van Beijnum, Katarzyna Wac, Hermie Hermens, Dimitri Konstantas "Towards Location Based QoS-Aware Network Selection Mechanism for the Nomadic Mobile Services", to be presented in 6th Annual IEEE Consumer Communications & Networking Conference - IEEE CCNC 2009, 10 - 13 January 2009 in Las Vegas, Nevada
 22. Alfredo A. Villalba Castro, Giovanna Di Marzo Serugendo and Dimitri Konstantas, "Hovering Information - Self-Organising Information Using Location-Based Caching Policies", 2nd ERCIM Workshop on eMobility (in conjunction with WWIC 2008), May 30, 2008 - Tampere, Finland.
 23. Pravin Pawar, Julien Subercaze, Pierre Maret, Bert-Jan van Beijnum, Dimitri Konstantas, "Towards Business Model and Technical Platform for the Service Oriented Context-Aware Mobile Virtual Communities", 13th IEEE Symposium on Computers and Communications, (ISCC'08), July 6 - 9, 2008, Marrakech, Morocco
 24. Villalba Castro, G. Di Marzo Serugendo, D. Konstantas, "Hovering Information - Self-Organising Information that Finds its Own Storage", accepted and will be presented in the IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing (SUTC'08), Taichung, Taiwan, June 2008
 25. Castro A.A.V., Serugendo G.D.M., Konstantas D. (2009) Hovering Information – Self-Organizing Information that Finds its Own Storage. In: Vasilakos A., Parashar M., Karnouskos S., Pedrycz W. (eds) Autonomic Communication. Springer, Boston, MA
 26. Giovanna Di Marzo Serugendo, Alfredo Villalba and Dimitri Konstantas, "Dependability Requirements for Hovering Information", Workshop on Dependable Application Support for Self-Organizing Networks, DSN 2007, The 37th Annual IEEE/IFIP International

- Conference on Dependable Systems and Networks June 25 - June 28, 2007, Edinburgh International Conference Centre, Edinburgh, UK
27. Dimitri Konstantas, Ric Quartero, Rainer Herzog, "Mobile Health Monitoring: From Ideas to Product", presentation in the The World of Health IT Conference & Exhibition 2006, 10-13 October 2006, Geneva, Switzerland
 28. Alfredo Villalba and Dimitri Konstantas, "Towards Hovering Information", Proceedings of the First European Conference on Smart Sensing and Context, EuroSSC 2006, Enschede, Netherlands, October 25-27, 2006, LNCS 4272, Springer Berlin / Heidelberg 2006
 29. Katarzyna Wac, Aart van Halteren, Dimitri Konstantas, "QoS-predictions service: infrastructural support for proactive QoS- and context-aware mobile services" (position paper), Second International Workshop on Context-Aware Mobile Systems (CAMS'06), Montpellier, France, Oct 31 - Nov 1, 2006 (In conjunction with OnTheMove Federated Conferences (OTM'06)), LNCS 4278, pp. 1924-1933, Springer Berlin / Heidelberg, 2006, ISBN 978-3-540-48273-4
 30. Dimitri Konstantas, Richard Bults, Aart Van Halteren, Katarzyna Wac, Val Jones, Ing Widya, Rainer Herzog, Barbara Streimelweger, "Mobile Health Care: Towards a commercialization of research results", Proceedings of the 1st European Conference on eHealth – ECEH'06, October 12-13, 2006, Fribourg, Switzerland
 31. Rainer Herzog, Dimitri Konstantas, Richard Bults, Aart Van Halteren, Katarzyna Wac, Val Jones, Ing Widya, Barbara Streimelweger, "Mobile Patient Monitoring - applications and value propositions for personal health", Proceedings of pHealth 2006, the International Workshop on wearable micro- and nanosystems for personalized Health, Luzern, Switzerland, January 30 - February 1, 2006.
 32. Richard Bults, Katarzyna Wac, Aart van Halteren, Victor Nicola, Dimitri Konstantas, "Goodput Analysis of 3G Wireless Networks Supporting m-health Services", proceedings of the 8th International Conference on Telecommunications, ConTEL 2005, Sheraton Zagreb Hotel, Zagreb, Croatia, June 15-17, 2005
 33. Wac Katarzyna, Richard Bults, Aart van Halteren, Dimitri Konstantas, Victor Nicola., "Measurements-based performance evaluation of 3G wireless networks supporting m-health services", Proc. 12th Multimedia Computing and Networking (MMCN '05), Jan. 19-20, 2005, San Jose, California, USA
 34. Santos, L.O.B.S., Guizzardi-Silva Souza, R., Wagner, G., Sinderen, M.J. van, Ferreira Pires, L., Pereira Filho, J.G., & Konstantas, D." Context-Aware Support for Communities of Practice", proceedings of the 3rd International Semantic Web Conference: Hiroshima, Japan, 2005. (Poster presentation).
 35. Katarzyna Wac, Richard Bults, Dimitri Konstantas, Aart Van Halteren, Val Jones, Ing Widya, Rainer Herzog, "Mobile Health Care over 3G Networks: The MobiHealth Pilot System and Service", proceedings of the Global Mobile Congress, GMC'04, Oct. 11-13, 2004, Shanghai, China, Paper no 13 on CF-ROM, published by the Delson Group inc.
 36. Dimitri Konstantas, Richard Bults, Aart Van Halteren, Katarzyna Wac, Val Jones, Ing Widya, "MobiHealth: Ambulant Patient Monitoring Over Public Wireless Networks", Proceedings of MEDICON 2004, July 31 - August 5, 2005, Ischia, Naples, Italy, paper no 385 on CD-ROM, ISBN 88-7780-308-8, Ghedimedia, Milano
 37. Richard Bults, Katarzyna Wac, Aart Van Halteren, Dimitri Konstantas, Val Jones, Ing Widya, "Body Area Networks for Ambulant Patient Monitoring Over Next Generation Public Wireless Networks", proceedings of the 13th IST Mobile & Wireless Communications Summit 2004, Lyon, France, 27-30 June 2004.
 38. Dimitri Konstantas, Aart Van Halteren, Richard Bults, Katarzyna Wac, Ing Widya, Nicolai Dokovsky, George Koprnikov, Val Jones, Rainer Herzog, "Mobile Patient Monitoring: the MobiHealth System", proceedings of the International Congress on Medical and Care Compunetics, ICMCC 2004, NCC, The Hague, June 2-4, 2004 (also published in the Journal on Information Technology in Healthcare in 2004).

39. Widya, A. van Halteren, V. Jones, R. Bults, D. Konstantas, P.A.M. Vierhout and J. Peuscher, "Telematic Requirements for a Mobile and Wireless Healthcare System derived from Enterprise Models" in 7th Int. Conference on Telecommunications ConTEL 2003, Eds. D. Jevtic & M. Mikuc, Zagreb Croatia, Jun. 2003, pp. 527 - 534, ISBN 953-184-056-3 (also published as University of Twente CTIT technical report, No 06-36, ISSN 1381-3625)
40. Dimitri Konstantas, Val Jones, Richard Bults and Rainer Herzog, "MobiHealth - wireless mobile services and applications for healthcare", International Conference on Telemedicine - Integration of Health Telematics into Medical Practice, Sept. 22nd-25th, 2002, Regensburg, Germany.
41. Dimitri Konstantas, Val Jones, Rainer Herzog, "MobiHealth - Innovative 2.5/3G mobile services and applications for health care", presented in the IST Mobile & wireless telecommunications Summit 2002, 17-19 June 2002, Thessaloniki, Greece.
42. Dimitris Thanos, Dimitri Konstantas: "Broadcasting Copyrighted Video", Broadcast Engineering World Edition, May 2002 Edition.
43. Dimitri Konstantas, Dimitris Thanos, Alain Coignet, "StreamCom - Dissemination of streamed information", presented in SCSC'02, Swiss Computer Science Conference 2002, 22 February 2002, Zurich Switzerland.
44. Dimitris Thanos and Dimitri Konstantas, "COiN-Video : A Model for the Commercial Dissemination of Video over Open Networks", Proceedings of the IBC 2001 Conference, RAI Amsterdam, 13-18 September 2001.
45. Val Jones, Richard Bults, Dimitri Konstantas, and Pieter A.M. Vierhout, "Healthcare PANs: Personal Area Networks for trauma care and home care", presented in WPMC, the 4th International Symposium on Wireless Personal Multimedia Communications, September 9-12, 2001, Aalborg, Denmark,
46. Dimitri Konstantas, Ciaran Bryce, Jean-Henry Morin, Christian Kobel, Apostolos Vontas, Panos Hatzaras and Adamantios Koumpis, "A framework for Building Agent-Based Industrial Applications", in Intelligent Manufacturing Systems 2001, M. Zaremba, J. Szytyko, Z. Banaszak (Eds), Elsevier Science 2001, ISBN: 0-08-043862-8, 6th Workshop on Intelligent Manufacturing Systems, IMS 2001, April 24-26 2001, Poznan, Poland.
47. Jean-Henry Morin, Christian Kobel and Dimitri Konstantas, "Active Business Objects (ABO): When Agents meet ABC/ABM based Management", Proceedings of HICSS 2000, Hawaii International Conference on System Sciences, January 4-7, 2000, Hawaii, USA
48. Dimitri Konstantas and Jean-Henry Morin, "Trading intangible goods : the rules of the game", Proceedings of HICSS 2000, Hawaii International Conference on System Sciences, January 4-7, 2000, Hawaii, USA (best paper award).
49. Dimitri Konstantas, Jean-Henry Morin, Orly Barziv, Adamantios Koumpis and Christian Kobel, "Active Business Objects (ABOs): A novel paradigm for building and using business information systems", proceedings of EMRPS '99, the Enterprise Management and Resource Planning Systems: Methods, tools and architectures conference, Centro San Salvador, Venice (Italy) , 25-26 November 1999.
50. Vassilis Prevelakis, Dimitri Konstantas and Jean-Henry Morin, "Controlling the Dissemination of Electronic Documents", Proceedings of the DEXA'99 Workshop on Electronic commerce, September 2, 1999, Florence, Italy.
51. Jean-Henry Morin and Dimitri Konstantas, "Commercialization of Electronic Information", Proceedings of ICMCS'99, IEEE Multimedia Systems'99, the International Conference on Multimedia Computing and Systems, June 7-11, 1999, Florence Italy.
52. Dimitri Konstantas, Yann Orlarey, Simon Gibbs and Olivier Carbonel, "Design and Implementation of an ATM based Distributed Musical Rehearsal Studio" Proceedings of EC-MAST'98, 3rd European Conference on Multimedia Applications, Services and Techniques, Berlin-Germany, 26 - 28 May 1998.
53. Constantin Arapis, Dimitri Konstantas and Thomi Pilioura, "Design Issues and Alternatives for setting up of Real-time Interactive Telelectures", Proceedings of SAC

- '98 - The 1998 ACM Symposium on Applied Computing, February 27-March 1, 1998 , Marriott Marquis, Atlanta, Georgia, U.S.A.
54. Jean-Henry Morin and Dimitri Konstantas, "HyperNews: A MEDIA Application for the Commercialization of an Electronic Newspaper", Proceedings of SAC '98 - The 1998 ACM Symposium on Applied Computing, February 27-March 1, 1998 , Marriott Marquis, Atlanta, Georgia, U.S.A.
 55. Dimitri Konstantas, "A Telepresence Environment for the Organization of Distributed Musical Rehearsals" Proceedings of SAC '98 - The 1998 ACM Symposium on Applied Computing, February 27-March 1, 1998 , Marriott Marquis, Atlanta, Georgia, U. S. A.
 56. Dimitri Konstantas, Yann Orlarey, Simon Gibbs and Olivier Carbonel, "Distributed Musi-cal Rehearsal", Proceedings of the ICMC'97, International Computer Music Conference 97, September 25-30 1997, Thessaloniki, Greece.
 57. D. Konstantas, J-H. Morin, P. Constanta-Fanourakis, M. Marazakis and D. Papadakis, "An Architecture for Electronic Document Commerce", Proceedings of 4th CaberNet Radicals Workshop, 17-20 September 1997, Rethimnon, Crete, Greece.
 58. Vassilis Prevelakis, Dimitri Konstantas, Jean-Henry Morin, "Issues for the Commercial Distribution of Electronic Documents", in Communications and Multimedia Security, Sokratis Katsikas (Ed.), Vol 3, Chapman & Hall, 1996. Proceedings of the CMS 97, Com-munications and Multimedia Security Joint Working Conference IFIP TC-6 and IFIP TC-11, 22-23 September, Athens, Greece.
 59. Dimitri Konstantas, "Migration of legacy applications to a CORBA platform: a case study", in Distributed Platforms, Chapman & Hall 1996, Proceedings of the IFIP/IEEE International Conference on Distributed Platforms - ICDP'96, Dresden, Germany, February 27 - March 1, 1996.
 60. Jean-Henry Morin and Dimitri Konstantas, "Towards Hypermedia Electronic Publishing", proceedings of the Second IASTED/ISMM International Conference in Distributed Mutli-media Systems and Applications, Stanford, CA, August 7-9, 1995.
 61. Oscar Nierstrasz, Dimitri Konstantas, Klaus Dittrich and Dirk Jonscher, "Une Plate-forme pour la Construction de SystÈmes d'Information Ouverts," Proceedings of AFCET 93, Ver-sailles, France., 8-10 Juin 1993.
 62. Dimitri Konstantas, "Object Oriented Interoperability," proceedings of the Seventh Euro-pean Conference on Object Oriented Programming ECOOP 93, Kaiserlautern, Germany, July 26-29 1993.
 63. Dimitri Konstantas , "Hybrid Cell: An Implementation of an Object Based Strongly Dis-tributed System," Proceedings of the International Symposium on Autonomous Decentral-ized Systems ISADS 93, Kawasaki, Japan, March 30 1993.
 64. Dimitri Konstantas , "Cell: A model for strongly Distributed Object Based Systems," Pro-ceedings of the ECOOP 91 Workshop "Object-Based Concurrent Computing", July 15-19, 1991, Geneva, Switzerland.
 65. Dimitri Konstantas , "Design Issues of a Strongly Distributed Object Based System," Pro-ceedings of 2nd International Workshop on Object-Orientation in Operating Systems (I-WOOOS '91), IEEE, Palo-Alto, October 17-18 1991.
 66. Converti A., Martino L., Savino P., Constantopoulos P., Konstantas D., Theodoridou M., Yeorgaroudakis J. Eirund H., Kreplin K., Bertino E., Rabitti F., Thanos C., Fitas A. "Office Document Retrieval in MULTOS (Multimedia Office System)". ESPRIT'86: Results and Achievements (p.563) (Presented in the ESPRIT Technical Week 86)
 67. Mart L.Molle & Dimitri Konstantas, "A Simulation Study of Retransmission Strategies for the Asynchronous Virtual Time CSMA Protocol", Proceedings of Performance '83, 9th In-ternational Symposium of Computer Performance Modelling, Measurement and Evaluation, Pages 259-308, May 1983.

TECHNICAL REPORTS (non refereed)

68. Dimitri Konstantas & Jean-Marc Seigneur (editors), "Mobile Quality of Service", 2009, Technical report of the Advanced Systems Group, University of Geneva, November 2009, ISBN 978-2-88903-004-0, Editions SES - Universite de Geneve
69. Dimitri Konstantas & Jean-Marc Seigneur (editors), "Collaborative Location Aware Mobile Services", 2008, Technical report of the Advanced Systems Group, University of Geneva, September 2008, ISBN 978-2-88903-001-9, Editions SES - Universite de Geneve
70. Villalba Castro, G. Di Marzo Serugendo, and D. Konstantas. Hovering information - self-organising information that finds its own storage. Technical Report BBKCS-07-07, School of Computer Science and Information Systems, Birkbeck, University of London, Nov 2007.
71. Dimitri Konstantas (editor), "Mobile Trust", 2007, Technical report of the Advanced Systems Group, University of Geneva, August 2007.
72. Dimitri Konstantas (editor), "From Objects to Mobile Systems and Services", Technical report of the Advanced Systems Group, University of Geneva, July 2006
73. Val Jones, Aart van Halteren, Dimitri Konstantas, Ing Widya, Richard Bults, "An application of Augmented MDA for the extended healthcare enterprise", University of Twente, CTIT Technical Report series, No 06-46, ISSN 1381 -3625, 2006.
74. Dimitri Konstantas Marisa Marotta Chrislain Razafimahefa, "The Design and Implementation of a Comparative Verification Suite for OSF/1", in Object Applications edited by D. Tschritzis, Technical report of the University of Geneva, 1996.
75. Dimitri Konstantas, "Cell : A Framework for a Strongly Distributed Object Based System," Ph.D. Thesis No. 2598, University of Geneva, May 1993.
76. Dimitri Konstantas, "A Dynamically Scalable Distributed Object Oriented System," in Object Management, ed. D. Tschritzis, pp. 245-254, Centre Universitaire d'Informatique, University of Geneva, 1990.
77. Michael Papathomas and Dimitri Konstantas, "Integrating Concurrency and Object-Oriented Programming: An Evaluation of Hybrid," in Object Management, ed. D. Tschritzis, pp. 229-244, Centre Universitaire d'Informatique, University of Geneva, 1990.
78. D. Konstantas, O.M. Nierstrasz and M. Papathomas, "An Implementation of Hybrid," in Active Object Environments , ed. D. Tschritzis, pp. 61-105, Centre Universitaire d'Informatique, University of Geneva, 1988.
79. Dimitri Konstantas, "The Virtual Time CSMA: A Study", (M.Sc. Thesis) Technical Report CSRG-149, Univ. of Toronto, 1983.