Publications Scientifiques
Habib Abdulrab

A) Ouvrages individuels et collectifs:

1) *de Common Lisp à la programmation objet,* Éditions HERMES, 1990.
2) Proceedings of IWWERT'91. LNCS (Lectures Notes in Computer Science), n. 677. En collaboration avec J.P. Pécuchet, (1992).
3) H. Abdulrab, E. Babkin, T Babkina. <u>AgentTime: A Distributed Multi-agent Software System for University's Timetabling.</u> In: From System Complexity to Emergent Properties (Understanding Complex Systems), ed. by M.A. Aziz-Alaoui, C. Bertelle. Springer Verlag, Heidelberg, chap. AgentTime: A Distributed Multi-agent Software System for University Timetabling, pp. 341-354. ISBN: 978-3-642-02198-5, (2009).
4) Abdulrab, H., Babkin., E, Doucy, J. Dynamic Composition and Analysis of Modern Service-Oriented Information Systems. In Dynamics of Information Systems: Algorithmic Approaches (Springer Proceedings in Mathematics & Statistics) (P.Pardalos, A.Sorokin, eds). Springer, 2013. ISBN-13: 978-1461475811. Volume 51, 2013, pp 67-98
5) Le Passage Portuaire. Approches interdisciplinaires des flux de marchandises transitant par les ports. Chapitre III: Technologie de l'information sur le terminal. Auteurs: Abdulrab, H., Cabani, A., Boudebous, D., Boukachour, J., Itmi, M., Najib, M., Poletaeva, T. Tracabilite et gestion de donnees: Proposition d'une ontologie, La Petite Presse (2013), ISBN 978-2-9545436-0-4.

B) Revues:

6) ABDULRAB H., PECUCHET J-P., "Solving Word Equations"*.* JSC (Journal of Sympolic Computation) (1989) 8, 499-521. Apparu également dans: UNIFICATION, Edited by C. Kirchner, Academic Press (1990)
7) ABDULRAB H., BOUKACHOUR J., CARDON A., GALINHO T., PECUCHET J.P. "FISIAS: Fast Interactive System for Intelligent Automated Scheduling", Revue d'automatique appliquée, Vol. 2. N. 4. Éditions HERMES (1989)
8) ABDULRAB H., "Word Equations". RAIRO d'Informatique théorique, Vol 24, n. 2, p. 109-130, (1990)
9) ABDULRAB H., GORALCIK P., MAKANIN GS.: "Towards parametrizing word equations"; Theoretical Informatics and Applications, Vol 35, (2001); pp 331-350 (2001)
10) DARMONI SJ., THIRION B., LEROY JP., DOUYERE M., LACOSTE B., GODARD C., RIGOLLE I., BRISOU M., VIDEAU S., GOUPY E., PIOT J., QUERE M., OUAZIR S., ABDULRAB H.: "A search tool based on 'encapsulated' MeSH thesaurus to retrieve quality health resources on the Internet"; Medical Informatics & The Internet in Medicin; 26(3); pp 165-178 (2001)
11) ABDULRAB H., BABKIN E., KOZYREV O.: "Ontology-Based Framework for Integration in Ubiquitous Computing Environment"; European Journal of Scientific Research, ISSN: 1450-216X Vol.17, N 4, 2007; pp 476-491 (2007)
12) Abdulrab, H., Itmi, M., Poletaeva, T., Saleh, S.: Integrated approach to traceability data management. In: Aseeva, N., Babkin, E., Kozyrev, O. (Eds.):

BIR-2012 Emerging Topics in Business Informatics Research 2012. CEUR-WS, Vol. 963, pp. 44-53 (2012). http://ceur-ws.org/Vol-963/paper4.pdf.

13) Poletaeva, T., Babkin, E., Abdulrab, H.: Ontological Framework Aimed to Facilitate Business Transformations. In: Guizzardi, G., Pastor, O., Wand, Y., de Cesare, S., Gailly, F., Lycett, M., Partridge, C. (Eds.) Proceedings of 1st Joint Workshop Onto.Com/ODISE on Ontologies in Conceptual Modeling and Information Systems Engineering, Rio de Janeiro, Brazil , September 22-25, 2014. CEUR-WS, Vol. 1301 (2014). *Présentation*: http://ceur-ws.org/Vol-1301/ontocomodise2014_5.pdf.

14) El Ghosh, M., Abdulrab, H.: CargO-S: A Pattern-Based Well-Founded Legal Domain Ontology for Traceability of Goods in Logistic Sea Corridors. *Applied Ontology* 16(3): 339-378. July 2021.

15) El Ghosh, M., Zanni-Merk, C., Delestre, N., Kotowicz, J.P., Abdulrab, H.: RelTopic: A Graph-Based Semantic Relatedness Measure in Topic Ontologies and its Applicability for Topic Labeling of Old Press Articles. *Submitted to Semantic Web Journal*, March 2022.

C) Conférences, congrès et colloques à communication (Conférences internationales à comité de lecture et actes publiées):

16) ABDULRAB H., "Équations in words" Proceedings of ISSAC-88. (1988 International Symposium on Symbolic and algebraic Computation, Rome, Italie. 4-8/7/88). Springer Verlag LNCS (Lectures Notes in Computer Science), 358.

17) ABDULRAB H., PECUCHET JP., "Solving Systems of Linear Diophantine Equations and Word Equations". Proceedings of RTA-89. (Rewritings Technics and Applications, USA). Springer Verlag LNCS (Lectures Notes in Computer Science).

18) ABDULRAB H., PECUCHET JP., "On word equations, and Makanin's Algorithm" Proceedings of FCT'89 (Fundamentals of Computation Theory). Springer Verlag LNCS (Lectures Notes in Computer Science), 380.

19) ABDULRAB H., "Implementation of Makanin's algorithm". Proceedings of IWWERT'90. Springer Verlag LNCS (Lectures Notes in Computer Science), 572. Edited by K. Schulz.

20) ABDULRAB H., BOUKACHOUR J., CARDON A., GALINHO T., KASSOU I, PECUCHET J.P. "Placement vs simulation algorithms in short-term scheduling", Proceedings of International Conference on Manufacturing Systems and Standardization. 12-14/2/1991. Budapest, Hongrie.

21) ABDULRAB H., GALINHO T, PECUCHET JP, "Dates Computation and Applications" 1992 Summer Computer Simulation Conference. 27-30 juillet 1992 (SCSC'1992), San Diego, California.

22) ABDULRAB H., GALINHO T, PECUCHET JP, "*Computation of Discrete Dates within Arbitrarary Diaries*. American Control Conference, Chicago, USA, 1992.

23) ABDULRAB H., MAKSIMENKO M., "General Solution of Mirror Equations", Proceedings of FCT'93 (Fundamentals of Computation Theory). Sceged, Hungary. Springer Verlag LNCS (Lectures Notes in Computer Science). 710, Edited by Prof. Esik, Page 133-142.

24) ABDULRAB H., MAKANIN GS., "On General Solution of Word Equations" Proceedings of "Important Results and Trends in Theoretical Computer Sciences", 9-10 juin 1994, Graz, Autriche. LNCS, n: 812, p.p. 251-263.

25) ABDULRAB H., PECUCHET JP., "Computation of the minimal continuation date" Proceedings of CISS first joint Conference of International Simulations. Zurich. p.p 462-567. Edited by T. Halin, W. Karplus, R. Rimane.

26) ABDULRAB H., DRISSI-TALBI A.,"LOP2: Extension du langage LOP1 par le paradigmes des objets" RNJCIA, p.p. 155-162, Marseille 94.

27) ABDULRAB H., MAKSIMENKO M.: "General solution of systems of linear diophantine equations and inequations"; 6th International Conference on Rewriting Technics and Applications (RTA'95), Kaiserslautern, 5-7 April; pp 353-363 (1995).

28) ABDULRAB H., DRISSI-TALBI A.: "A simulation Model based on linear constraints on naturals"; ISLP-95 (Post-conference Workshop on Constraints). Portland, U.S.A., December; pp 90-104 (1995).

29) MAKANIN GS., ABDULRAB H., MAKSIMENKO M.: "Formal parametric equations"; Fundamentals of computation theory FCT'95; Proceedings in LNCS 965; Dresden Germany, August 1995; pp 353-362 (1995).

30) PECUCHET JP., ABDULRAB H.: "Computation of the Earliest Lackfree Manufacturing Date"; 1995 SCS Summer Computer Simulation Conference, Ottawa, Canada, Juillet; pp 407-412 (1995).

31) ABDULRAB H., DRISSI-TALBI A., GATEPAILLE S.: "Linear constraints on naturals in LOP"; Constraint-96, International Workshop on Constraint-Based Reasoning; Key West, Florida, USA; May 19th; pp 11-18 (1996).

32) MAKANIN GS., ABDULRAB H.: "Functions for the General Solution of Word Equations"; CADE-13 International Workshop on Term Schematisation and their Applications, Rutgers University, New Jersey, USA, July; pp 30-40 (1996).

33) ABDULRAB H., DRISSI-TALBI A.: "Un modèle de simulation base sur la résolution de contraintes linéaires en nombres naturels"; Proceedings of MOSIM'97; pp 433-442 (1997).

34) ABDULRAB H., MAKANIN GS., GORALCIK P.: "Functions for the General Solution of Parametric Word Equations. Logical Foundations of Computer Science"; 4th International Symposium, LFCS'97, Yaroslav, Russia, Vol. 1234; Springer-Verlag: Berlin -Heidelberg-New; pp 189-202 (1997).

35) ABDULRAB H., DRISSI-TALBI A., NGOMO M.: "Temporal Discrete Simulation"; Proceedings of the symbosieum on industial applications of prolog. ,INAP 97, Kobe, Kobe Univ. Japan; pp 48-55 (1997).

36) ABDULRAB H., DRISSI-TALBI A., NGOMO M.: "A declarative and non-determinist framework for Dynamic Object-Oriented and Constraint Logic Programming"; SACJ - South African Computer Journal nø 23, July 1999; pp 98-106 (1999).

37) ABDULRAB H., KAZAKOV M.: "An open intranet for pedagogical process and educational systems"; CAEE'99, Sophia, September 99; pp 52-58 (1999).

38) GATEPAILLE S., BRUNESSAUX S., ABDULRAB H.: "Data Fusion Multi-Agent Framework"; Eurofusion'99, Stratford-upon-Avon, UK, 5-7 Octobre 1999; pp 97-102 (1999).

39) ABDULRAB H., DRISSI-TALBI A., NGOMO M.: "A Declarative Framework for Temporal Discrete Simulation"; SACJ - South African Computer Journal nø 25, August 2000; pp 23-31 (2000).

40) GATEPAILLE S., BRUNESSAUX S., ABDULRAB H.: "DFMAF: a generic multi-agent framework for data fusion"; AeroSense'2000, Sensor Fusion: Architectures, Algorithms, and Applications IV, Orlando, USA, 24-28 Avril 2000; pp 100-106 (2000).

41) THIRION B., LACOSTE B., VIDEAU S., DOUYERE M., LEROY JP., GOUPY E., PIOT J., ABDULRAB H., DARMONI SJ.: "Doc'CISMeF: un "Medline" francophone pour les ressources Internet"; Société Européenne de Télémédecine, Paris, septembre 2000; (2000).

42) DARMONI SJ., LEROY JP., DOUYERE M., PIOT J., OUAZIR S., LACOSTE B., GODARD C., RIGOLLE I., BRISOU M., VIDEAU S., QUERE M., GOUPY E., ABDULRAB H., THIRION B.: "Doc'CISMeF: un outil de recherche Internet orienté vers l'enseignement et la formation à distance en médecine"; Pédagogie Médicale 2 (3); pp 170-178 (2001).

43) DARMONI SJ., THIRION B., LEROY JP., DOUYERE M., LACOSTE B., GODARD C., RIGOLLE I., BRISOU M., VIDEAU S., GOUPY E., PIOT J., QUÉRÉ M., OUAZIR S., ABDULRAB H.: "Doc'CISMeF: a search tool based on "encapsulated" MeSH thesaurus"; Medinfo 2001, Tenth World Congress on Health and Medical Informatics, V. Patel, R. Rogers, R. Haux (eds), (Amsterdam:IOS Press); pp 385-389 (2001).

44) ROGOZAN D., ABDULRAB H., HOTTE R.: "Environnement d'aide à la réalisation de Projets d'Etudes Collectifs"; Conférence Ingénierie des Connaissances (IC'2001); 1 p. (2001).

45) KAZAKOV M., ABDULRAB H., BABKIN E.: "Ontology fusion approach for integration in heterogeneous distributed systems"; Engineering Context-Aware Object-Oriented Systems and Environments (ECOOSE) 2002; OOPSLA (Object Orienter Programming, Systems, Languages and Application), Nov 2002; pp 1-6 (2002).

46) KAZAKOV M., BABKIN E., ABDULRAB H.: "Ontology Fusion: the approach to heterogenous systems (in Russian)"; Izvesia Inzhenernih Nauk, Russian journal (in Russian); pp 39-47 (2002).

47) KAZAKOV M., ABDULRAB H., DEBARBOUILLE G.: "A model-driven approach for the design of mobile agent systems for concurrent engineering: MADE4CE project"; Izvestia Inzhenernih Nauk, Russia, 2002; pp 48-58 (2002).

48) ROGOZAN D., HOTTE R., ABDULRAB H.: "Modélisation d'un espace dynamique dédié à la réalisation de projets d'apprentissage à distance"; TICE'2002, Technologies de l'Information et de la Communication dans les Enseignements, Lyon, 13-15 Novembre 2002; pp 245-252 (2002).

49) SOUALMIA LF., BARRY-GREBOVAL C., ABDULRAB H., DARMONI SJ.: "Modélisation et représentation des connaissances dans un catalogue de santé"; Journées Francophones d'Ingénierie des Connaissances; pp 139-149 (2002).

50) KAZAKOV M., ABDULRAB H., BABKIN E.: "Intelligent integration of distributed components: Ontology fusion approach"; International Conference on Computational Intelligence for Modelling, CIMCA 2003, Vienna - Austria, 12-14 February 2003, ISBN: 1-740-88069-2; pp 608-618 (2003).

51) KAZAKOV M., ABDULRAB H.: "On aspects of software integration based on logical inference"; Applied Mathematics bulletin of Russian Academy of Science, Vol. 4, UDK 681.3.06; pp 71-78 (2003).

52) KAZAKOV M., ABDULRAB H.: "A metamodeling approach to ontological engineering: DL-workbench platform"; MIS'2003, Metainformatics Symposium, Springer Verlag LNSC ISBN 3-540-40218-7; pp 1-17 (2003).

53) KAZAKOV M., ABDULRAB H.: "DL-workbench: a meta-model based platform for ontology manipulation"; International Semantic Web Conference, ISWC 2003; 3p en CD-ROM (2003).

54) KAZAKOV M., ABDULRAB H.: "On semantic-enhanced middleware"; Applied Mathematics bulletin of Russian Academy of Sicence, Vol. 4, UDK 681.3.06; pp 78-82 (2003).

55) KAZAKOV M., ABDULRAB H.: "DL-workbench: a meta-modeling approach to ontology manipulation"; Evaluation of Ontology-based Tools, EON 2003, Sanibel Island, Florida, USA, 20-23 October 03; CEUR-WS Electronic Workshop proceedings. Vol 87. ISSN 1613-0073; 10 p en ligne (2003).

56) AL-MAQTARI S., ABDULRAB H., NOSARY A.: "A HYBRID SYSTEM FOR WATER RESOURCES MANAGEMENT"; Third International Conference and Exhibition GIS-2004; pp 121-135 (2004).

57) KAZAKOV M., ABDULRAB H.: "Semi-Automated software integration: An approach based on logical inference"; ICEIS 2004, International Conference on Enterprise Information Systems 2004, Porto - Portugal, Avril 14-17 2004; pp 527-535 (2004).

58) KAZAKOV M., ABDULRAB H.: "A FEASIBILITY PROOF OF SEMI-AUTOMATED SOFTWARE INTEGRATION"; IASTED Software Engineering conference SE'2004; February 17-19, 2004, Innsbruck, Austria; pp 447-453 (2004).

59) AL-MAQTARI S., ABDULRAB H., NOSARY A.: "Constraint Programming and Multi-Agent System mixing approach for agricultural Decision Support System"; Emergent Properties in Natural and Artificial Dynamical Systems in ECCS'O5 International Conference; pp. 113-119. (2005).

60) NGOMO M., OUBAHSSI L., ABDULRAB H.: "La fourniture de services: une approche novatrice pour l'ouverture des systèmes de formation et du marché de la FOAD"; EIAH'2005 (Environnements Informatiques pour l'Apprentissage Humain), Montpellier, (France), 26-27 Mai 2005; pp 309-320 (2005).

61) NGOMO M., ABDULRAB H., OUBAHSSI L.: "Application Service Provider System: a new concept to provide interoperability between learning management systems"; Proceedings of E-Learn 2005 World Conference, Vancouver,(Canada), October 24-28, 2005, Research/Technical Showcase; pp 2763-2769 (2005).

62) KAZAKOV M., ABDULRAB H.: "Semi-automated Integration Software using logical specification: an application to numerical simulation software"; 12th IEEE International Conference on Electronics, Circuits and Systems (ICECS'05); MCS Workshop, pp 503-510 (2005).

63) AL-MAQTARI S., ABDULRAB H., BABKIN E.: "Towards a robust software framework for DCSP solving in multi-agent systems"; The Second AIS SIGSAND European Symposium on Systems Analysis and Design, University of Gdańsk, Poland; 16 p (2007).

64) AL-MAQTARI S., ABDULRAB H.: "Controller Agent Approach for solving DCSP"; Summer Computer Simulation Conference (SCSC'07); pp 945-952 (2007).

65) BABKIN E., ABDULRAB H., KOZYREV O.: "Application of ontology-based tools for design of multi-agent simulation environments in economics"; IASTED International Conference on Modeling and Simulation (AsiaMS 2007), Beijing, China, October, 2007; pp 236-243 (2007).

66) BABKIN E., ABDULRAB H., BABKINA T.: "AgentTime: A Distributed Multi-agent Software System for University's Timetabling"; Procs. of the 4th European Conference on Complex Systems (ECCS'07), a satellite Conference EPNACS'2007 Emergent Properties in Natural and Artificial Complex Systems Dresden, Germany, October, 2007; pp 10-22 (2007).

67) BABKIN E., ABDULRAB H., KOZYREV O., ZUBOV M.: "Application of ontology–enriched multi-agent techniques for integration in the health care domain"; Proc. Of The 6th Intrl. Conference Business Informatics research (BIR-2007), Turku, Finland, 2007; pp 45-61 (2007).

68) BABKIN E., ABDULRAB H., KOZYREV O.: "A Survey of modern methods and trends in information modeling"; First Intrl Conference of Business Informatics, Moscow, October, 2007; pp 35-49 (2007).

69) ALSHABI W., ITMI M., ABDULRAB H., HUNTSINGER R.: "A hierarchical model for transport application"; 7ème édition du congrès international pluridisciplinaire, (QUALITA'07), Mars 20 - 22; 7 p (2007).

70) ALSHABI W., RAMASWAMY S., ITMI M., ABDULRAB H.: "A cooperative problem-solving process in hierarchical organization"; Summer Computer Simulation Conference, (SCSC'07), July 15 - 18; 6 p (2007).

71) XU J., ABDULRAB H., ITMI M.: "An integrated design and implementation for multiagent system"; Qualita, 7ème Congrès international pluridisciplinaire Qualité et Sûreté de Fonctionnement; pp 762-769 (2007).

72) XU J., ABDULRAB H., ITMI M.: "A Cooperative Multi-agent System Simulation Model for Urban Traffic Intelligent Control"; MTSA/SCSC: The Summer Computer Simulation Conference (SCSC'07) San Diego, CA ,USA; pp 953-958 (2007).

73) **XU J., ITMI M., ABDULRAB H.** *A Intelligent Based Model for Urban Demand-responsive Passenger Transportation.* International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 07). USA. (2007).

74) W. Alshabi, M. Itmi, S. Ramaswamy, and H. Abdulrab, "Un mecanisme de cooperation dans une organisation hierarchique," in 7ème Conférence Internationale de MOdélisation et SIMulation - MOSIM'08 - « Modélisation, Optimisation et Simulation des Systèmes: Communication, Coopération et Coordination.». Paris- France, (2008).

75) W. Alshabi, M. Itmi, S. Ramaswamy, and H. Abdulrab, "Towards a social responsible agents in hybrid organization," in International Simulation Multi-conference (ISMc'08): Grand Challenges in Modeling & Simulation (GCMS'08), Edinburgh, Scotland, June 16-19, (2008).

76) AL-Maqtari S, and Abdulrab H.: Controller-Agent based approach for solving Distributed Constraint Problem. Swarm Intelligence Algorithms and Applications Symposium (SIAAS-08), Aberdeen, Scotland, April 2-4; pp: 112-117 (2008).

77) AL-MAQTARI, S. and H. ABDULRAB, "Controller Agents for Constraints Solving: Implementation and Use of CACS Prototype," in 20th IEEE Int'l

Conference on Tools with Artificial Intelligence - ICTAI'08, Dayton, Ohio, USA, 2008, 7p. (2008).

78) AL-MAQTARI, S. and H. ABDULRAB, "Controller Agents for Constraints Solving: Implementation and Use of CACS Prototype," in The 2008 International Conference on Computer Engineering & Systems (ICCES'08), Cairo, Egypt, 2008, 6p. (2008).

79) XU J, ABDULRAB H, and ITMI M (2008).A Multi-agent Based Model for Urban Demand-responsive Passenger Transport Services. IEEE World Congress on Computational Intelligence (WCCI2008), HongKong, 2008: pp. 15-23.

80) Xu J., Abdulrab H., Itmi M. A Multi-agent Based Model for Urban Demand responsive. Transport System Intelligent Control. IEEE Intelligent Vehicles Symposium (IV'08), Netherlands, pp 1033-1038, 2008.

81) S. Al-Maqtari, H. Abdulrab, and E. Babkin. (2009). A new model for solution of complex distributed constrained problems. Computer Systems and Applications, ACS/IEEE International Conference on, 0:660-667. ISBN: 978-1-4244-3807-5.

82) S. Al-Maqtari, H. Abdulrab, E. Babkin, and KRYSINA I (2009). New Approach For Combination Of Multi-Agent Algorithms And Constraints Solvers For Decision Support Systems. In: Procs of the 8th International Conference on Perspectives in Business Informatics Research (BIR-2009), Kristianstad, Sweden, pp. 147-156.

83) W. Alshabi, H. Abdulrab, M. Itmi, S. Ramaswamy, "Resilient: A social responsible agents in dynamic & hybrid organization", In 2009 IEEE International Conference on Systems, Man, and Cybernetics (SMC'09), San Antonio, Texas, USA. October 11-14, 2009, 9P.

84) H. Abdulrab H, E. Babkin, S. Satunin. A Hybrid Multi-Layered approach to Demand Responsive Transport Systems. 6p. In 5th IEEE International Conference on System of Systems Engineering (IEEE SoSE 2010), Loughborough, UK, June 22-24 2010.

85) S. Al-Maqtari, H. Abdulrab H, E. Babkin. Application of CACS approach for distributed logistic systems. 11p. In Thirty Sixth Annual Convention of the Society for the Study of Artificial Intelligence and Simulation of Behaviour, (AISB 2010) Leiscester, UK, 29 March- 1 April 2010.

86) J. Doucy, H. Abdulrab, P. Giroux, and J-P. Kotowics. A New Approach to Populate a Semantic Service Registry. to appear in Proceedinds of the 1st International Symposium on Web Intelligent Systems & Services. Collocated with WISE 2010, to be held from December 12 to 14, 2010, Hong Kong.

87) Emilien Bondu, Stepan Brunessaux, Habib Abdulrab, Nathalie Chaignaud, Jean-Philippe Kotowicz. Plateforme et ontologie de scénarios pour l'aide à la veille stratégique en source ouverte. Veille Strategique, Scientifique et Technique 2010, VSST Conference, 2010, Toulouse.

88) Bellenger Amandine, Lerouvreur Xavier, Gatepaille Sylvain, Abdulrab Habib and Kotowicz Jean-Philippe, "An Information Fusion Semantic & Service Enablement Platform: the FusionLab Approach" In 14th International Conference on Information Fusion, Chicago, USA, 2011.

89) H. Abdulrab, E. Babkin, E. Ivlev. Milti-agent Constraint Optimization Approach to Modeling of Demand Responsive Transport System. Proceedings of MESM'11. Pp 105-109.

90) Bellenger, A., Gatepaille, S., Abdulrab, H., Kotowicz J.P.: An Evidential Approach for Modeling and Reasoning on Uncertainty in Semantic Fusion Applications, in Semantic Belief Fusion Workshop on Uncertainty Reasoning for the Semantic Web URSW 2011, Bonn, RFA.

91) A. Bellenger, X. Lerouvreur, H. Abdulrab and J.P. Kotowicz. Semantic Beliefs Fusion. In Advances on Computational Intelligence, volume 297 of Communications in Computer and Information Science, pages 491-500. Springer, 2012.

92) Saleh, S., Poletaeva, T., Abdulrab, H., Itmi, M., 2012. Traceability as a combination of distributed standardized data and business processes. Proceedings of BIR-2012 conference, http://bir-conference.org.

93) Abdulrab, H., Itmi, M., Poletaeva, T., Saleh, S., 2012. Integrated approach to traceability data management. CEUR Workshop Proceedings, ISSN 1613-0073, vol. 931, http://ceur-ws.org/Vol-963/.

94) Verny J., Itmi M., El Hami A., Cardon A., Couturier L. and Abdulrab H., A Sustainable multidisciplinary Approach to Building Regional Competitiveness. In the Symposium on security and safety of Complex Systems, 2SCS'12. 25-26 May. Agadir, Morocco. 5p. (2012).

95) Poletaeva, T., Abdulrab, H., Babkin, E.: Developing a multi-facet abstractions framework for designing a new class of traceability applications. In Barjis, J., Gupta, A., Meshkat, A. (Eds.) Enterprise & Organizational Modeling and Simulation. Lecture Notes in Business Information Processing, Vol. 153, Springer-Verlag Berlin Heidelberg. Pp. 115-129. (2013).

96) Poletaeva, T., Abdulrab, H., Babkin, E.: Ontological Foundations of Multi-Agent Framework for Organizational Diagnosis. For proceedings of BIR'2013 conference. To be published in the Springer series of Lecture Notes in Business Information Processing. Volume 158, 2013, pp 170-184. (2013).

97) Mhamed Itmi, Alain Cardon, Habib Abdulrab, Norelislam Elhami, Omar Jaumat. Towards a Distributed Simulation Model to Experiment Regional Competitiveness. . In the Symposium on security and safety of Complex Systems, 2SCS'12. 29-30 Nov. Agadir, Morocco. 5p.

98) Verny J., Itmi M., El Hami A., Abdulrab H., Cardon A. and Couturier L., Multidisciplinary Approach to Building Regional Competitiveness. In the 6th International conference on Grand Challenges in Modeling and Simulation, GCMS'13 part of SummerSim'13. July 7-10, Toronto, Canada. SCS. 5p. (2013).

99) Mhamed Itmi, Alain Cardon, Habib Abdulrab, Norelislam Elhami, Omar Jaumat. Towards a Distributed Simulation Model to Experiment Regional Competitiveness. In the Symposium on security and safety of Complex Systems, 2SCS'12. 29-30 Nov. Agadir, Morocco. 5p. (accepté 2013).

100) Bondu E., Chaignaud N., Kotowicz J-Ph. and Abdulrab H. A Support System for the Capitalization and the Exploitation of Expert Knowledge. International conference on Tools with Artificial Intelligence (ICTAI, 2014), Limassol, Chypre, (2014), pages 217-224.

101) Elena Andreeva, Tatiana Poletaeva, Habib Abdulrab, Eduard Babkin : One Solution for Semantic Data Integration in Logistics. EOMAS@CAiSE 2015: 75-86.

102) Tanja Poletaeva, Habib Abdulrab, Eduard Babkin : From the Essence of an Enterprise Towards Enterprise Ontology Patterns. EEWC 2016: 118-131.

103) El Ghosh, M., Naja, H., Abdulrab H., Khalil, M.: Towards a Middle-Out Approach for Building Legal Domain Reference Ontology. *International Journal of Knowledge Engineering*, 2 (3), pp.109-114, 2016.

104) El Ghosh, M., Abdulrab H., Naja, H., Khalil, M.: Using the Unified Foundational Ontology for Grounding Legal Domain Ontologies. In: Knowledge Engineering and Ontology Development, KEOD 2017, vol2, pp. 219-225.

105) El Ghosh, M., Abdulrab H., Naja, H., Khalil, M.: Towards a Legal Rule-based System Grounded on the Integration of Criminal Domain Ontology and Rules. Procedia Computer Science, vol. 112, pp.632-642, Elsevier, Netherlands, September 2017.

106) El Ghosh, M., Abdulrab H., Naja, H., Khalil, M.: A Criminal Domain Ontology for Modeling Legal Norms. Advances in Artificial Intelligence. In: Proceedings of the XVIth International Conference of the Italian Association for Artificial Intelligence (AI*IA 2017), Bari, Italy, November 14-17, LNCS 10640, Springer, 282-294, 2017.

107) El Ghosh, M., Naja, H., Abdulrab H., Khalil, M.: Ontology Learning Process as Bottom-up Strategy for Building Domain-Specific Ontology from Legal Texts. In: Proceedings of the 9th International Conference on Agents and Artificial Intelligence, ICAART 2017, Volume 2, Porto, Portugal, February 24-26, 2017. SciTePress, 2017.

108) Tanja Poletaeva, Giancarlo Guizzardi, João Paulo A. Almeida, Habib Abdulrab: Revisiting the DEMO Transaction Pattern with the Unified Foundational Ontology (UFO). EEWC 2017: 181-195.

109) El Ghosh, M., Abdulrab H., Naja, H., Khalil, M.: Application of Ontology Modularization for Building a Criminal Domain Ontology. In: AI Approaches to the Complexity of Legal Systems (AICOL 2018), LNCS, vol. 10791, pp. 394-409, Springer, Cham.

110) El Ghosh, M., Abdulrab, H.: The application of ODCM for Building Well-founded Legal Domain Ontologies: A Case Study in the Domain of Carriage of Goods by Sea Conventions. In: Proceedings of the 17th International Conference on Artificial Intelligence and Law (ICAIL 2019), June 2019.

111) El Ghosh, M., Abdulrab, H.: Towards a Pattern-Based Core Model of Events in the Legal Domain. In: Joint Ontology Workshops, JOWO 2019, Graz, Austria, September, 2019.

112) El Ghosh, M., Abdulrab, H.: Towards a Well-Founded Legal Domain Reference Ontology by Combining Conceptual Ontology Patterns. In: Joint Ontology Workshops, JOWO 2019, Graz, Austria, September, 2019.

113) El Ghosh, M., Abdulrab, H.: Ontology-Based Liability Decision Support in the International Maritime Law. In Proceedings of the 33rd International Conference on Legal Knowledge and Information Systems (*JURIX 2020)*, December 2020.

114) El Ghosh, M., Zanni-Merk, C., Delestre, N., Kotowicz, J.P., Abdulrab, H.: Topic-OPA: A Topic Ontology for Modeling Topics of Old Press Articles. In proceedings of the 12th International conference on Knowledge Engineering and Ontology Development (KEOD 2020). pp. 275-282, November 2020.

115) El Ghosh, M., Zanni-Merk, C., Delestre, N., Kotowicz, J.P., Abdulrab, H.: RelTopic: A Graph-Based Semantic Relatedness Measure in Topic Ontologies and its Applicability for Topic Labeling of Old Press Articles. *Submitted to Semantic Web Journal*, March 2021.

116) El Ghosh, M., Abdulrab, H.: CargO-S: A Pattern-Based Well-Founded Legal Domain Ontology for Traceability of Goods in Logistic Sea Corridors. *Applied Ontology* 16(3): 339-378. July 2021.

117) El Ghosh, M., Abdulrab, H.: Capturing the Basics of the GDPR in a Well-Founded Legal Domain Modular Ontology. In Proceedings of the 12th International Conference on Formal Ontology in Information Systems (*FOIS 2021)*, September 2021.

D) Brevets:

A. Bellenger, S. Gatepaille and H. Abdulrab. Procédé permettant la fusion de croyances sémantiques. French, PCT/FR12/000140, April 2012. (Method allowing the fusion of semantic beliefs), Émis le 10 avril 2012, France WO2013153288.

E) Autres:

- Doucy J, ABDULRAB H, Giroux P, and KOTOWICZ JP (2009). Méthodologie pour l'orchestration sémantique de services dans le domaine de la fouille de documents multimédia. In: MAnifestation des JEunes Chercheurs en Sciences et Technologies de l'Information et de la Communication (MajecSTIC), pp. 10-18.
- Emilien Bondu, Habib Abdulrab, Nathalie Chaignaud, Jean-Philippe Kotowicz. Détection de signaux faibles dans des sources ouvertes: Méthodologies et outils du Web sémantique. SOS 10 workshop, RFIA Conference, 2010, Caen.
- DARMONI SJ., LACOSTE B., VIDEAU S., LEROY JP., DOUYERE M., PIOT J., ABDULRAB H., THIRION B.: "Doc' CISMeF: Un "Medline" francophone pour les ressources Internet: Un outil de recherche fonde sur le MeSH"; La revue des SAMU, SFEM-Editions, Octobre 2001; 23 (HS); pp 279-283 (2001).
- Emilien Bondu, Habib Abdulrab, Patrick Giroux. Architecture, services et connaissances dans un système d'aide à la veille: Application à la détection de signaux faibles en sources ouvertes. SOS 11 workshop, EGC Conference, 2011, Brest.
- Emilien Bondu, Nathalie Chaignaud, Jean-Philippe Kotowicz, Habib Habdulrab, Brunessaux Stéphan. Scenario model for weak signal detection. KARE 11 workshop, SITIS Conference, 2011, Dijon.

- Poletaeva, T., Abdulrab, H., Babkin, E.: Ontological Foundations of Multi-Agent Framework for Organizational Diagnosis. 3rd Enterprise Engineering Working Conference (EEWC 2013), Luxembourg.