

СПИСЪК НА НАУЧНИТЕ ТРУДОВЕ

на д-р Борис Благовестов Шишков

I. Монографии

1. **Enterprise Information Systems, A Modeling Approach**
 Автор: Boris Shishkov
 ISBN: 978-619-90124-3-7
 Издател: ИCREST
 Година: 2017
2. **Software Specification Based on Re-usable Business Components (PhD Thesis)**
 Автор: Boris Shishkov
 ISBN: 90-9019924-1
 Издател: TU Delft
 Година: 2005

II. Отпечатани рецензирани (реферирани) трудове: доклади на научни форуми (у нас и в чужбина), както и статии в национални и международни издания

3. **Enforcing Context-Awareness and Privacy-by-Design in the Specification of Information Systems**
 Авторы: Boris Shishkov, Marijn Janssen
 Публ. в: Lecture Notes in Business Information Processing (LNBIP) Series – LNBIP 309: Revised Selected Papers from BMSD 2017 – the 7th International Symposium on Business Modeling and Software Design; 3-5 July 2017; Barcelona, Spain
 Издател: Springer, Cham
 Година: 2018
4. **Drones in Land Border Missions: Benefits and Accountability Concerns**
 Авторы: Boris Shishkov, Stefan Hristozov, Marijn Janssen, Jeroen van den Hoven
 Публ. в: Proceedings of ICTRS 2017 – the 6th International Conference on Telecommunications and Remote Sensing; 6-7 November 2017; Delft, The Netherlands
 Издател: ACM
 Година: 2017
5. **Towards Context-Aware and Privacy-Sensitive Systems**
 Авторы: Boris Shishkov, Marijn Janssen, Yi Yin
 Публ. в: Proceedings of BMSD 2017 – the 7th International Symposium on Business Modeling and Software Design; 3-5 July 2017; Barcelona, Spain
 Издател: SCITEPRESS
 Година: 2017
6. **Usability Assessment of Drone Technology With Regard to Land Border Security**
 Автор: Stefan Hristozov, Boris Shishkov
 Публ. в: Proceedings of BMSD 2017 – the 7th International Symposium on Business Modeling and Software Design; 3-5 July 2017; Barcelona, Spain
 Издател: SCITEPRESS
 Година: 2017

7. **Towards Context-aware Border Security Control**
 Авторы: Boris Shishkov, Dimitris Mitrakos
 Публ. в: Proceedings of BMSD 2016 – the 6th International Symposium on Business Modeling and Software Design; 20-22 June 2016; Rhodes, Greece
 Издатель: SCITEPRESS
 Година: 2016

8. **Towards a Service-Oriented Architecture for eVoting**
 Авторы: Boris Shishkov, Marijn Janssen
 Публ. в: Proceedings of BMSD 2016 – the 6th International Symposium on Business Modeling and Software Design; 20-22 June 2016; Rhodes, Greece
 Издатель: SCITEPRESS
 Година: 2016

9. **Digitization of Cultural Heritage – A Service-Oriented Approach**
 Автор: Boris Shishkov
 Публ. в: Proceedings of DiPP 2016 – the 6th Int. Conf. on Digital Presentation and Preservation of Cultural and Scientific Heritage; 26-28 September 2016; Veliko Tarnovo, Bulgaria
 Издатель: Institute of Mathematics and Informatics - Bulgarian Academy of Sciences
 Година: 2016

10. **SDBC-Based Technology-Independent Functionality Models (Applications in Emergency Medical Response)**
 Автор: Boris Shishkov
 Публ. в: Proceedings of the National Conference on Informatics in Memory of P. Burnev; 12-13 November 2015; Sofia, Bulgaria
 Издатель: Institute of Mathematics and Informatics - Bulgarian Academy of Sciences
 Година: 2015

11. **Business Models and Service Applications for Traffic Management**
 Авторы: Brahmananda Sapkota, Marten van Sinderen, Boris Shishkov
 Публ. в: Proceedings of BMSD 2012 – the 2nd International Symposium on Business Modeling and Software Design; 4-6 July 2012; Geneva, Switzerland
 Издатель: SCITEPRESS
 Година: 2012

12. **e- Business Challenges and Directions: Important Themes from the First ICE-B Workshop**
 Авторы: David Marca, Rebecca Bulander, Cornelia Kruslin, Boris Shishkov, Marten van Sinderen
 Публ. в: Communications in Computer and Information Science (CCIS) Series – CCIS 222: Revised Selected Papers from ICETE 2010 – the 7th Int. Joint Conf. on e-Business and Telecommunications; 26-28 July 2010; Athens, Greece
 Издатель: Springer-Verlag
 Година: 2012

13. **Technology-Independent Functionality Models for Road Traffic Systems**
 Автор: Boris Shishkov
 Публ. в: Proceedings of FIATS-M 2011 – the 1st Int. Workshop on Future Internet Applications for Traffic Surveillance and Management; 27-28 October 2011; Sofia, Bulgaria
 Издатель: SCITEPRESS
 Година: 2011

14. **On the Application of Autonomic and Context-aware Computing to Support Home Energy Management**
 Авторы: Boris Shishkov, Martijn Warnier, Marten van Sinderen
 Публ. в: Proceedings of ICEIS 2010 – the 12th International Conference on Enterprise Information Systems; 8-12 June 2010; Funchal, Portugal
 Издатель: SCITEPRESS
 Година: 2010

15. **Employees' Upskilling through Service-oriented Learning Environments**
 Авторы: Boris Shishkov, Marten van Sinderen, Roberto Cavalcante
 Публ. в: Proceedings of ICEIS 2010 – the 12th International Conference on Enterprise Information Systems; 8-12 June 2010; Funchal, Portugal
 Издатель: SCITEPRESS
 Година: 2010

16. **Methodological Support for the Design of Enterprise Information Systems with SDBS: Towards Distributed, Service-Oriented, and Context-Aware Solutions**
 Автор: Boris Shishkov
 Публ. в: Proceedings of I-WEST 2010 – the 4th International Workshop on Enterprise Systems and Technology; 24-25 July 2010; Athens, Greece
 Издатель: SCITEPRESS
 Година: 2010

17. **Service-Oriented Architecture for Household Energy Management**
 Авторы: Marten van Sinderen, Martijn Warnier, Boris Shishkov
 Публ. в: Proceedings of I-WEST 2010 – the 4th International Workshop on Enterprise Systems and Technology; 24-25 July 2010; Athens, Greece
 Издатель: SCITEPRESS
 Година: 2010

18. **Towards Flexible Inter-enterprise Collaboration: A Supply Chain Perspective**
 Авторы: Boris Shishkov, Marten van Sinderen, Alexander Verbraeck
 Публ. в: Proceedings of ICEIS 2009 – the 11th International Conference on Enterprise Information Systems; 6-10 May 2009; Milan, Italy
 Издатель: Springer-Verlag
 Година: 2009

19. **Enhancing Context Analysis with Intelligence in Providing e-Health Services - Less Infrastructure Dependency in Supporting Cardio-vascular Patients**
 Авторы: Boris Shishkov, Alexander Verbraeck, Ing Widya
 Публ. в: Proceedings of ICSOFT 2009 – the 4th International Conference on Software and Data Technologies; 26-29 July 2009; Sofia, Bulgaria
 Издатель: SCITEPRESS
 Година: 2009

20. **Service-Oriented Coordination Platform for Technology-Enhanced Learning**
 Авторы: Boris Shishkov, Marten van Sinderen
 Публ. в: Proceedings of I-WEST 2009 – the 3rd International Workshop on Enterprise Systems and Technology; 29-30 July 2009; Sofia, Bulgaria
 Издатель: SCITEPRESS
 Година: 2009

21. **Norm Analysis Supporting the Design of Context-Aware Applications**
 Авторы: Boris Shishkov, Marten van Sinderen, Kecheng Liu, Hui Du
 Публ. в: Proceedings of ICEIS 2008 – the 10th International Conference on Enterprise Information Systems; 12-16 June 2008; Barcelona, Spain
 Издатель: SCITEPRESS
 Година: 2008

22. **Towards a Norm-Driven Design of Context-Aware e-Health Applications**
 Авторы: Boris Shishkov, Hailiang Mei, Marten van Sinderen, Thijs Tonis
 Публ. в: Proceedings of EHST 2008 – the 2nd International Workshop on e-Health Services and Technologies; 7 July 2008; Porto, Portugal
 Издатель: SCITEPRESS
 Година: 2008

23. **On the Design of Context-Aware Applications**
 Авторы: Boris Shishkov, Marten van Sinderen
 Публ. в: Proceedings of I-WEST 2008 – the 2nd International Workshop on Enterprise Systems and Technology; 23 May 2008; Enschede, The Netherlands
 Издатель: SCITEPRESS
 Година: 2008
24. **From User Context States to Context-Aware Applications**
 Авторы: Boris Shishkov, Marten van Sinderen
 Публ. в: Lecture Notes in Business Information Processing (LNBIP) Series – LNBIP 12: Revised Selected Papers from ICEIS 2007 – the 9th International Conference on Enterprise Information Systems; 12-16 June 2007; Funchal, Portugal
 Издатель: Springer-Verlag
 Година: 2008
25. **Combining SDBC and ISDL in the Modeling and Refinement of Business Processes**
 Авторы: Boris Shishkov, Dick A.C. Quartel
 Публ. в: Lecture Notes in Business Information Processing (LNBIP) Series – LNBIP 3: Revised Selected Papers from ICEIS 2006 – the 8th International Conference on Enterprise Information Systems; 23-27 May 2006; Paphos, Cyprus
 Издатель: Springer-Verlag
 Година: 2008
26. **Model-Driven Design of Context-Aware Applications**
 Авторы: Boris Shishkov, Marten van Sinderen, Bedir Tekinerdogan
 Публ. в: Proceedings of ICEBE 2007 – IEEE International Conference on e-Business Engineering; 24-26 October 2007; Hong Kong, China
 Издатель: IEEE Computer Society
 Година: 2007
27. **Model-Driven Design of Context-Aware Applications**
 Авторы: Boris Shishkov, Marten van Sinderen
 Публ. в: Proceedings of ICEIS 2007 – the 9th International Conference on Enterprise Information Systems; 12-16 June 2007; Funchal, Portugal
 Издатель: SCITEPRESS
 Година: 2007
28. **Closing the Business-Application Gap in SOA - Challenges and Solution Directions**
 Авторы: Boris Shishkov, Jan L.G. Dietz, Marten van Sinderen
 Публ. в: Proceedings of ICSOFT 2007 – the 2nd International Conference on Software and Data Technologies; 22-25 July 2007; Barcelona, Spain
 Издатель: SCITEPRESS
 Година: 2007
29. **E-Health Services and Technologies - The Way Ahead**
 Авторы: Boris Shishkov, Dimitri Konstantas, Joaquim Filipe
 Публ. в: Proceedings of EHST 2007 – the 1st International Workshop on e-Health Services and Technologies; 22 July 2007; Barcelona, Spain
 Издатель: SCITEPRESS
 Година: 2007
30. **A Framework for Smart Distribution of Bio-Signal Processing Units in M-Health**
 Авторы: Hailiang Mei, Ing Widya, Tom Broens, Pravin Pawar, Aart van Halteren, Boris Shishkov, Marten van Sinderen
 Публ. в: Proceedings of EHST 2007 – the 1st International Workshop on e-Health Services and Technologies; 22 July 2007; Barcelona, Spain
 Издатель: SCITEPRESS
 Година: 2007

31. **SOA-Driven Business-Software Alignment**
 Авторы: Boris Shishkov, Marten van Sinderen, Dick A.C. Quartel
 Публ. в: Proceedings of ICEBE 2006 – IEEE International Conference on e-Business Engineering; 24-26 October 2006; Shanghai, China
 Издатель: IEEE Computer Society
 Година: 2006

32. **Bridging the Language-Action Perspective and Organizational Semiotics in SDBC**
 Авторы: Boris Shishkov, Jan L.G. Dietz, Kecheng Liu
 Публ. в: Proceedings of ICEIS 2006 – the 8th International Conference on Enterprise Information Systems; 23-27 May 2006; Paphos, Cyprus
 Издатель: SCITEPRESS
 Година: 2006

33. **Refinement of SDBC Business Process Models Using ISDL**
 Авторы: Boris Shishkov, Dick A.C. Quartel
 Публ. в: Proceedings of ICEIS 2006 – the 8th International Conference on Enterprise Information Systems; 23-27 May 2006; Paphos, Cyprus
 Издатель: SCITEPRESS
 Година: 2006

34. **Applying Component-Based UML-Driven Conceptual Modeling in SDBC**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of ICEIS 2005 – the 7th International Conference on Enterprise Information Systems; 24-28 May 2005; Miami, Florida, USA
 Издатель: SCITEPRESS
 Година: 2005

35. **Applying SDBC in the Cultural-Heritage Sector**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of ICEIS 2005 – the 7th International Conference on Enterprise Information Systems; 24-28 May 2005; Miami, Florida, USA
 Издатель: SCITEPRESS
 Година: 2005

36. **Designing Cultural Heritage Sector Brokers Using SDBC**
 Автор: Boris Shishkov
 Публ. в: *International Journal “Information Theories & Applications” (IJ ITA)*, Vol. 11
 Издатель: ITHEA
 Година: 2004

37. **Design of Software Applications Using Generic Business Components**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of HICSS 2004 – the 37th Hawaii International Conference on System Sciences; 5-8 January 2004; Big Island, Hawaii, USA
 Издатель: IEEE
 Година: 2004

38. **Aligning Business Process Modeling and Software Specification in a Component-Based Way, The Advantages of SDBC**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of ICEIS 2004 – the 6th International Conference on Enterprise Information Systems; 14-17 April 2004; Porto, Portugal
 Издатель: SCITEPRESS
 Година: 2004

39. **Deriving Use Cases from Business Processes, the Advantages of DEMO**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Enterprise Information Systems (EIS) Series – EIS V: Selected Papers from ICEIS 2003 – the 5th International Conference on Enterprise Information Systems; 23-26 April 2003; Angers, France
 Издатель: Kluwer Academic Publishers
 Година: 2004

40. **Identifying Business Process Patterns Using Semantic Analysis**
 Авторы: Boris Shishkov, Zhiwu Xie, Kecheng Liu, Jan L.G. Dietz
 Публ. в: Virtual, Distributed and Flexible Organisations: Studies in Organizational Semiotics III
 Издатель: Kluwer Academic Publishers
 Година: 2004

41. **Deriving Use Cases from Business Processes, the Advantages of DEMO**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of ICEIS 2003 – the 5th International Conference on Enterprise Information Systems; 23-26 April 2003; Angers, France
 Издатель: SCITEPRESS
 Година: 2003

42. **DEMO-Based Business Engineering Building Blocks – from User Requirements to Use Case Derivation**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of SCI 2003 – the 7th World Multi-conference on Systemics, Cybernetics and Informatics; 27-30 July 2003; Orlando, Florida, USA
 Издатель: IIIS
 Година: 2003

43. **Approach for Component-Based Software Specification – Using DEMO-UML Based Generic Components to Design a Tele-Work Brokerage System**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: IADIS *International Journal WWW/Internet*: IJWI, Vol. 1, nr. 1
 Издатель: IADIS
 Година: 2003

44. **Identifying Generic Business Processes Using Semantic Analysis**
 Авторы: Boris Shishkov, Zhiwu Xie, Kecheng Liu, Jan L.G. Dietz
 Публ. в: Proceedings of OS 2003 – the 6th International Workshop on Organizational Semiotics; 11-12 July 2003; Reading, UK
 Издатель: University of Reading
 Година: 2003

45. **Simulating the Dynamics of Business Components to be Used in Specifying Software Systems**
 Авторы: Boris Shishkov, Joseph Barjis, Jan L.G. Dietz
 Публ. в: Proceedings of SCSC 2003 – the 2003 Summer Computer Simulation Conference; 20-24 July 2003; Montreal, Quebec, Canada
 Издатель: SCS
 Година: 2003

46. **Deriving Use Cases from Business Process Models Developed Using Norm Analysis**
 Авторы: Boris Shishkov, Zhiwu Xie, Kecheng Liu, Jan L.G. Dietz
 Публ. в: Dynamics and Change in Organizations: Studies in Organizational Semiotics III
 Издатель: Kluwer Academic Publishers
 Година: 2003

47. **Business Engineering Building Blocks**
 Автор: Boris Shishkov
 Публ. в: Proceedings of CAiSE DC 2002 – the 9th Doctoral Consortium on Advanced Information Systems Engineering; 27-28 May 2002; Toronto, Ontario, Canada
 Издатель: CAiSE
 Година: 2002

48. **Modeling of e-Commerce Brokerage Systems Using UML**
 Автор: Boris Shishkov
 Публ. в: Proceedings of SAER 2002 – the 16th International Conference on Systems for Automation of Engineering and Research; 20-22 September 2002; Varna, Bulgaria
 Издатель: Publishing House of the Union of Scientists of Bulgaria
 Година: 2002

49. **Integrated Methodology Allowing Design of ICT Applications Based on Business Process Investigation**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of the IASTED International Conference on Applied Simulation and Modelling; 25-28 June 2002; Crete, Greece
 Издатель: IASTED
 Година: 2002

50. **Design of Tele-Work Brokerage Systems Using DEMO-UML Based Generic Components**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of the IADIS International Conference on WWW/Internet; 13-15 November 2002; Lisbon, Portugal
 Издатель: IADIS
 Година: 2002

51. **Modeling of e-Business Brokerage Systems Using UML and Petri Net**
 Авторы: Boris Shishkov, Joseph Barjis
 Публ. в: Proceedings of the 17th edition of the IFIP World Computer Congress; 25-30 August; Montreal, Quebec, Canada
 Издатель: Kluwer Academic Publisher
 Година: 2002

52. **Using Norm Analysis to Derive Use Cases from Business Processes**
 Авторы: Boris Shishkov, Zhiwu Xie, Kecheng Liu, Jan L.G. Dietz
 Публ. в: Proceedings of OS 2002 – the 5th International Workshop on Organizational Semiotics; 14-15 June 2002; Delft, The Netherlands
 Издатель: TU Delft
 Година: 2002

53. **Validation of Business Components via Simulation**
 Авторы: Joseph Barjis, Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of SCSC 2002 – the 2002 Summer Computer Simulation Conference; 14-18 July 2002; San Diego, California, USA
 Издатель: SCS
 Година: 2002

54. **Application Potentials of Use Cases in Modeling of Telework Support Systems**
 Авторы: Boris Shishkov, Joseph Barjis
 Публ. в: Proceedings of SCI 2001 – the 5th World Multi-conference on Systemics, Cybernetics and Informatics; 22-25 July 2001; Orlando, Florida, USA
 Издатель: IIS
 Година: 2001

55. **Analysis of Suitability, Appropriateness and Adequacy of Use Cases Combined with Activity Diagram for Business Systems Modeling**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: Proceedings of ICEIS 2001 – the 3rd International Conference on Enterprise Information Systems; 7-10 July 2001; Setubal, Portugal
 Издатель: SCITEPRESS
 Година: 2001

56. **UML Based Business Systems Modeling and Simulation**
 Авторы: Joseph Barjis, Boris Shishkov
 Публ. в: Proceedings of EUROSIM 2001 – the International EUROSIM 2001 Congress; 26-29 June 2001; Delft, The Netherlands
 Издатель: Rijksuniversiteit Groningen
 Година: 2001

57. **Telematic Applications for Supporting Telework Related Activities**
 Авторы: Joseph Barjis, Boris Shishkov
 Публ. в: Proceedings of CSCWD 2001 – the 6th International Conference on Computer Supported Cooperative Work in Design; 12-14 July 2001; London, Ontario, Canada
 Издатель: NRC Research Press
 Година: 2001

58. **Analysis of a System of Telecenters as a Distributed Network**
 Авторы: Boris Shishkov, Joseph Barjis
 Публ. в: Proceedings of SAER 2000 – the 14th International Conference on Systems for Automation of Engineering and Research; 18-20 September 2000; Varna, Bulgaria
 Издатель: Publishing House of the Union of Scientists of Bulgaria
 Година: 2000

III. Отпечатани нереферирани публикации

59. **DEMO as an Essential Environment in Specifying Software Based on Business Components**
 Автор: Boris Shishkov
 Публ. в: Proceedings of the 1st DEMO Workshop; 3 July 2003; Tilburg, The Netherlands
 Издатель: UVT
 Година: 2003

60. **Introduction: Universe of Discourse**
 Авторы: Boris Shishkov, Rene van Horik, Nadia Ayad
 Публ. в: In: *Building blocks for Effective Telematic Application Development and Evaluation* (Book chapter)
 Издатель: TU Delft
 Година: 2002

61. **Towards Business Engineering Building Blocks**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: In: *Building blocks for Effective Telematic Application Development and Evaluation* (Book chapter)
 Издатель: TU Delft
 Година: 2002

62. **Modeling of e-Business Brokerage Systems Using DEMO and UML**
 Авторы: Boris Shishkov, Jan L.G. Dietz
 Публ. в: In: *Building blocks for Effective Telematic Application Development and Evaluation* (Book Chapter)
 Издатель: TU Delft
 Година: 2002

63. **Applying Regression Analysis in Support of Conducted Business Process Modeling in Holding ‘Sveta Sofia’ PLC**

Автор: Boris Shishkov
 Публ. в: *Technical Report*
 Издател: Sofia University Press
 Година: 1999

IV. Приети, но все още не отпечатани рецензирани (реферирани) доклади на предстоящи научни форуми

64. **On the Design of Self-Managing, Context-Aware, and Value-Sensitive Systems**

Автори: Boris Shishkov, John Bruntse, Martijn Warnier, Marijn Janssen
 Публ. в: Proceedings of BMSD 2018 – the 8th International Symposium on Business Modeling and Software Design; 2-4 July 2018; Vienna, Austria
 Издател: Springer, Cham
 Година: 2018

65. **Business Process Variability and Public Values**

Автори: Boris Shishkov, Jan Mendling
 Публ. в: Proceedings of BMSD 2018 – the 8th International Symposium on Business Modeling and Software Design; 2-4 July 2018; Vienna, Austria
 Издател: Springer, Cham
 Година: 2018

66. **Composite Public Values and Software Specifications**

Автори: Magdalena Garvanova, Boris Shishkov, Marijn Janssen
 Публ. в: Proceedings of BMSD 2018 – the 8th International Symposium on Business Modeling and Software Design; 2-4 July 2018; Vienna, Austria
 Издател: Springer, Cham
 Година: 2018

67. **Towards Resilience in the Provisioning of IT Services for IoT Applications, Context-Aware Road Traffic Navigation in Smart Cities**

Автори: Ivan Garvanov, Christo Kabakchiev, Boris Shishkov, Magdalena Garvanova
 Публ. в: Proceedings of BMSD 2018 – the 8th International Symposium on Business Modeling and Software Design; 2-4 July 2018; Vienna, Austria
 Издател: Springer, Cham
 Година: 2018