

A reference architecture for managing dynamic inter-organizational business processes

Norta, Alexander; Grefen, Paul; Narendra, Nanjangud C. Data & knowledge engineering 2014 / p. 52-89 : ill

Achieving a high level of open market-information symmetry with decentralised insurance marketplaces on blockchains

Norta, Alexander; Rossar, Risto; Parve, Mart; Laas-Billson, Liina Intelligent Computing : proceedings of the 2019 Computing Conference. Volume 1 2019 / p. 299-318 https://doi.org/10.1007/978-3-030-22871-2_22 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Agile software engineering methodology for information systems' integration projects

Taveter, Kuldar; Norta, Alexander Future Data and Security Engineering : 4th International Conference, FDSE 2017, Ho Chi Minh City, Vietnam, November 29 - December 1, 2017 : proceedings 2017 / p. 215-230 : ill https://doi.org/10.1007/978-3-319-70004-5_15

An agent-oriented method for designing large socio-technical service-ecosystems

Norta, Alexander; Mahunnah, Msury; Tenso, Tanel; Taveter, Kuldar; Narendra, Nanjangud C. 2014 IEEE Tenth World Congress on Services : SERVICES 2014 : 27 June-2 July 2014, Anchorage, Alaska : proceedings 2014 / p. 242-249 : ill

An architecture for e-learning infrastructures on a national level : a case study of the Afghanistan Research and Education Network

Saay, Mohammad Salim; Norta, Alexander International journal of innovation and learning 2018 / p. 54-75 <https://doi.org/10.1504/IJIL.2018.088790> [Journal metrics at Scopus](#) [Article at Scopus](#)

Assessment of aviation security risk management for airline turnaround processes

Matulevičius, Raimundas; **Norta, Alexander; Udokwu, Chibuzor; Nõukas, Rein** Transactions on large-scale data- and knowledge-centered systems XXXVI : special issue on data and security engineering 2017 / p. 109-141 : ill https://doi.org/10.1007/978-3-662-56266-6_6

Auto-generation of smart contracts from a domain-specific XML-based language

Dwivedi, Vimal Kumar; Norta, Alexander Intelligent Data Engineering and Analytics 2022 / p. 549-564 https://doi.org/10.1007/978-981-16-6624-7_54 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Blockchain technology for enabling transparent and traceable government collaboration in public project processes of developing economies

Abodei, Ebizimoh; **Norta, Alexander;** Azogu, Irene; Udokwu, Chibuzor; **Draheim, Dirk** Digital Transformation for a Sustainable Society in the 21st Century 18th IFIP WG 6.11 : Conference on e-Business, e-Services, and e-Society, I3E 2019 Trondheim, Norway, September 18–20, 2019 : proceedings 2019 / p. 464–475 https://doi.org/10.1007/978-3-030-29374-1_38 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Conference proceeding at WOS](#) [Article at WOS](#)

Business-intelligence mining of large decentralized multimedia datasets with a distributed multi-agent system

Qayumi, Karima; **Norta, Alexander** International journal of computer, electrical, automation, control and information engineering 2016 / p. 1126-1135 : ill <http://scholar.waset.org/1999.4/10004765>

CEDEX : a certified blockchain based diamond exchange : transforming diamonds into a new asset class : white paper [Online resource]

Norta, Alexander; Levi, Saar; Priewer, Ronen; Kif, Evgeni 2017 <https://cedex.com/img/Whitepaper.pdf>

Collaborative project management framework for partner network initiation

Ševtšenko, Eduard; Poljantšikov, Igor; Mahmood, Kashif; Kangilaski, Taivo; Norta, Alexander Procedia engineering 2015 / p. 159-168 : ill <http://dx.doi.org/10.1016/j.proeng.2015.01.354>

Collaborative project management framework for partner network initiation in machining domain [Online resource]

Ševtšenko, Eduard; Polyantchikov, Igor; Mahmood, Kashif; Kangilaski, Taivo; Norta, Alexander; Karaulova, Tatjana; Perm, Ardo Proceedings of the 18th Online World Conference on Soft Computing in Industrial Applications (WSC18) 2018 / p. 215-233 : ill https://doi.org/10.1007/978-3-030-00612-9_19 <https://link.springer.com/content/pdf/bfm%3A978-3-030-00612-9%2F1.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Commercial property tokenizing with smart contracts

Norta, Alexander; Fernandez, Chad; Hickmott, Stefan 2018 International Joint Conference on Neural Networks (IJCNN) : 2018 proceedings 2018 / p. 4801-4808 <https://doi.org/10.1109/IJCNN.2018.8489534> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A comprehensive approach for designing business-intelligence solutions with multi-agent systems in distributed environments

Qayumi, Karima; **Norta, Alexander** Transactions on Large-Scale Data- and Knowledge-Centered Systems XXXVII 2018 / p. 113-150 https://doi.org/10.1007/978-3-662-57932-9_4 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

Conflict-resolution lifecycles for governed decentralized autonomous organization collaboration

Norta, Alexander; Othman, Anis Ben; Taveter, Kuldar EGOSE '15 : proceedings of the 2015 2nd International Conference on Electronic Governance and Open Society : Challenges in Eurasia : November 24-25, 2015, St.Petersburg, Russian Federation 2015 / p. 244-257 : ill <http://dx.doi.org/10.1145/2846012.2846052>

Correction to: Implementation and evaluation of the DAOM framework and support tool for designing blockchain decentralized applications (International Journal of Information Technology, (2021), 13, 6, (2245-2263), 10.1007/s41870-021-00816-6)

Udokwu, Chibuzor; Brandtner, Patrick; **Norta, Alexander; Kormiltsõn, Aleksandr;** Matulevičius, Raimundas International Journal of Information Technology (Singapore) 2022 <https://doi.org/10.1007/s41870-022-01026-4> [Journal metrics at Scopus](#) [Article at Scopus](#)

Creation of smart-contracting collaborations for decentralized autonomous organizations

Norta, Alexander Perspectives in business informatics research : 14th International Conference, BIR 2015, Tartu, Estonia, August 26-28, 2015 : proceedings 2015 / p. 3-17 http://dx.doi.org/10.1007/978-3-319-21915-8_1

A data-ownership assuring blockchain wallet for privacy-protected data exchange [Online resource]

Hawthorne, Daniel; Engel, Serafin L.; **Norta, Alexander** 2017 https://tokensale.datawallet.com/pdf/datawallet_whitepaper.pdf

Decentralized governance for smart contract platform enabling mobile lite wallets using a proof-of-stake consensus algorithm

Deval, Vipin; Norta, Alexander; Dai, Patrick; Mahi, Neil; Earls, Jordan Blockchain Technology and Innovations in Business Processes 2021 / p. 67–93 https://doi.org/10.1007/978-981-33-6470-7_5 [Collection metrics at Scopus](#) [Article at Scopus](#)

Deriving and formalizing requirements of decentralized applications for inter-organizational collaborations on blockchain

Udokwu, Chibuzor; **Norta, Alexander** Arabian journal for science and engineering 2021 / p. 8397–8414 <https://doi.org/10.1007/s13369-020-05245-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design of a remote emotional requirements elicitation feedback method

Jackson, Eric B.; Norta, Alexander Third International Workshop on Affective Computing in Requirements Engineering, AffectRE : 1 september 2020, Zurich, Switzerland : Proceedings 2020 / 8 p <https://doi.org/10.1109/AffectRE51213.2020.00007>

Designing a collaborative construction-project platform on blockchain technology for transparency, traceability, and information symmetry

Udokwu, Chibuzor; Norta, Alexander; Wenna, Christoph ASSE'21 : 2021 2nd Asia Service Sciences and Software Engineering Conference, Macau, Macao, February 24-26, 2021 2021 / 13 p. : ill <https://doi.org/10.1145/3456126.3456134> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Designing a contractual choreography language for automating cross-organizational business collaboration

Norta, Alexander; Ma, Lixin; Duan, Yucong 2014 IEEE Tenth World Congress on Services : SERVICES 2014 : 27 June-2 July 2014, Anchorage, Alaska : proceedings 2014 / p. 338-345 : ill

Designing a scalable socio-technical method for evaluating large e-Governance systems

Saay, Mohammad Salim; Norta, Alexander Advanced computational and communication paradigms : proceedings of International Conference on ICACCP 2017, Volume 1 2018 / p. 571-580 https://doi.org/10.1007/978-981-10-8240-5_64 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Designing a smart-contract application layer for transacting decentralized autonomous organizations

Norta, Alexander Advances in Computing and Data Sciences : first International Conference, ICACDS 2016, Ghaziabad, India, November 11-12, 2016 : revised selected papers 2017 / p. 595-604 http://doi.org/10.1007/978-981-10-5427-3_61

Dynamically integrating electronic - with personal health records for ad-hoc healthcare quality improvements

Kormiltsõn, Aleksandr; Norta, Alexander Digital Transformation and Global Society : Second International Conference, DTGS 2017, St. Petersburg, Russia, June 21-23, 2017 : revised selected papers 2017 / p. 385-399 : ill http://doi.org/10.1007/978-3-319-69784-0_33

eContractual choreography-language properties towards cross-organizational business collaboration

Norta, Alexander; Ma, Lixin; Duan, Yucong; **Rull, Addi; Kõlvart, Merit; Taveter, Kuldar** Journal of Internet services and applications 2015 / p. 1-23 : ill <http://dx.doi.org/10.1186/s13174-015-0023-7>

Enhancing requirements engineering in agile methodologies by agent-oriented goal models : two empirical case studies

Tenso, Tanel; Norta, Alexander; Rootsi, Hannes; **Taveter, Kuldar;** Vorontsova, Irina 2017 IEEE 25th International Requirements Engineering Conference Workshops : proceedings 2017 / p. 268-275 : ill <http://doi.org/10.1109/REW.2017.24>

Establishing distributed governance infrastructures for enacting cross-organization collaborations

Norta, Alexander Service-Oriented Computing - ICSOC 2015 Workshops : WESOA, RMSOC, ISC, DISCO, WESE, BSCI, FOR-MOVES, Goa, India, November 16-19, 2015 : revised selected papers 2016 / p. 24-35 http://dx.doi.org/10.1007/978-3-662-50539-7_3

Evaluating a novel agile requirements engineering method : a case study

Tenso, Tanel; Norta, Alexander; Vorontsova, Irina ENASE 2016 : 11th International Conference on Evaluation of Novel Software Approaches to Software Engineering : proceedings : Rome, Italy, 27-28 April 2016 2016 / p. 156-163 : ill
<http://dx.doi.org/10.5220/0005829701560163>

Evaluation of approaches for designing and developing decentralized applications on blockchain

Udokwu, Chibuzor; Anyanka, Henry; Norta, Alexander ICACS'20 : proceedings of the 4th International Conference on Algorithms, Computing and Systems. ICACS-AECCC 2020: the 2nd African Electronics Computer and Communication Conference, September 18-20, 2020, Virtual Conference 2020 / p. 55-62 <https://doi.org/10.1145/3423390.3426724> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Evolving process views

Eshuis, Rik; Norta, Alexander; Roulaux, Raoul Information and software technology 2016 / p. 20-35 : ill
<https://doi.org/10.1016/j.infsof.2016.08.004>

A formal specification smart-contract language for legally binding decentralized autonomous organizations

Dwivedi, Vimal Kumar; Norta, Alexander; Wulf, Alexander; Leiding, Benjamin; Saxena, Sandeep; Udokwu, Chibuzor IEEE Access 2021 / p. 76069-76082 : ill <https://doi.org/10.1109/ACCESS.2021.3081926> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Formal-verification of smart-contract languages : a survey

Dwivedi, Vimal Kumar; Deval, Vipin; Dixit, Abhishek; Norta, Alexander Advances in Computing and Data Sciences : Third International Conference, ICACDS 2019 : Ghaziabad, India, April 12-13, 2019 : revised selected papers, part II 2019 / p. 738-747
https://doi.org/10.1007/978-981-13-9942-8_68 [Conference proceedings at Scopus](#) [Article at Scopus](#)

A Framework for the adoption of blockchain technology in healthcare information management systems : a case study of Nigeria

Azogu, Irene; Norta, Alexander; Pappel, Ingrid; Longo, Justin; Draheim, Dirk Proceedings of the 12th International Conference on Theory and Practice of Electronic Governance (ICEGOV'19), Melbourne, Australia, April 3-5, 2019 2019 / p. 310-316 : ill
<https://doi.org/10.1145/3326365.3326405> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A framework for the adoption of blockchain-based e-procurement systems in the public sector : A case study of Nigeria

Akaba, Temofe Isaac; Norta, Alexander; Udokwu, Chibuzor; Draheim, Dirk Responsible Design, Implementation and Use of Information and Communication Technology : 19th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2020, Skukuza, South Africa, April 6-8, 2020 : Proceedings, Part I 2020 https://doi.org/10.1007/978-3-030-44999-5_1 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

A generic framework for collective intelligence systems = Kollektiivse intelligentsuse süsteemide üldine raamistik

Suran, Shweta 2022 <https://doi.org/10.23658/taltech.15/2022> <https://digikogu.taltech.ee/et/Item/3e5b1767-badd-4d53-ac11-8e61cc7f8e09>
https://www.ester.ee/record=b5498851*est

Heuristics for designing and evaluating socio-technical agent-oriented behaviour models with Coloured Petri Nets

Mahunnah, Msury; Norta, Alexander; Ma, Lixin; Taveter, Kuldar IEEE 38th Annual International Computers, Software and Applications Conference Workshops : 27-29 July 2014, Västerås, Sweden : proceedings 2014 / p. 438-443 : ill

Impact assessment of cyber actions on missions or business processes : a systematic literature review

Bahsi, Hayretidin; Udokwu, Chibuzor; Tatar, Unal; Norta, Alexander Proceedings of the 13th International Conference on Cyber Warfare and Security, ICCWS 2018 : National Defence University, Washington DC, USA, 6-9 March 2018 2018 / p. 11-20 : ill
<http://toc.proceedings.com/38822webtoc.pdf>

Implementation and evaluation of the DAOM framework and tool support for designing blockchain decentralized applications

Udokwu, Chibuzor; Brandtner, Patrick; Norta, Alexander; Kormiltsyn, Alexandr; Matulevičius, Raimundas International journal of law and information technology 2021 / p. 2245-2263 : ill <https://doi.org/10.1007/s41870-021-00816-6> [Journal metrics at Scopus](#) [Article at Scopus](#)

Implementation of information security in the EU information systems : an Estonian case study

Järvsoo, Maris; Norta, Alexander; Tsap, Valentyna; Pappel, Ingrid; Draheim, Dirk Challenges and Opportunities in the Digital Era : 17th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society : I3E 2018, Kuwait City, Kuwait, October 30 - November 1, 2018 : proceedings 2018 / p. 150-163 https://doi.org/10.1007/978-3-030-02131-3_15 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Improving healthcare processes with smart contracts

Kormiltsõn, Aleksandr; Udokwu, Chibuzor; Karu, Kalev; Thangalimodzi, Kondwani; Norta, Alexander Business Information Systems : 22nd International Conference, BIS 2019, Seville, Spain, June 26-28, 2019 : proceedings. Part I 2019 / p. 500-513
https://doi.org/10.1007/978-3-030-20485-3_39 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Increasing citizen participation in e-participatory budgeting processes

Mærøe, Anders Røsten; **Norta, Alexander**; Tsap, Valentyna; Pappel, Ingrid Journal of Information Technology & Politics 2021 / p. 125-147 <https://doi.org/10.1080/19331681.2020.1821421> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Integration of automated data collection, enrichment and transfer to CAD system in digital tailoring = Informatsiooni automaatse kogumise, rikastamise ja CAD-süsteemile sisestamise meetod digitaalses rätsepakunstis

Elbrecht, Pirjo 2018 <https://digi.lib.ttu.ee/i/?9950>

Integration of blockchain technology into a land registration system for immutable traceability : a casestudy of Georgia

Lazuashvili, Nino; **Norta, Alexander**; **Draheim, Dirk** Business Process Management : Blockchain and Central and Eastern Europe Forum :BPM 2019 Blockchain and CEE Forum : Vienna, Austria, September 1–6, 2019 : proceedings 2019 / p. 219-233 https://doi.org/10.1007/978-3-030-30429-4_15 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Introduction to the 1st Workshop on Resource Management in Service-Oriented Computing (RMSOC) 2014

Cabanillas, Christina; **Norta, Alexander**; Narendra, Nanjangud C.; Resinas, Manuel Service-Oriented Computing - ICSSOC 2014 Workshops : WESOA; SeMaPS, RMSOC, KASA, ISC, FOR-MOVES, CCSA and Satellite Events, Paris, France, November 3-6, 2014 : revised selected papers 2015 / p. XVI-XVIII

Introduction to the 2nd Workshop on Resource Management in Service-Oriented Computing (RMSOC) 2015

Cabanillas, Christina; **Norta, Alexander**; Resinas, Manuel Service-Oriented Computing - ICSSOC 2015 Workshops : WESOA, RMSOC, ISC, DISCO, WESE, BSCI, FOR-MOVES, Goa, India, November 16-19, 2015 : revised selected papers 2016 / p. XV-XVII <http://dx.doi.org/10.1007/978-3-662-50539-7>

Introduction to the first Workshop on Resource Management in Business Processes (REMA 2016)

Cabanillas, Christina; Resinas, Manuel; **Norta, Alexander**; Narendra, Nanjangud C. Business Process Management Workshops : BPM 2016 International Workshops, Rio de Janeiro, Brazil, September 19, 2016 : revised papers 2017 / p. 356-358 <http://dx.doi.org/10.1007/978-3-319-58457-7>

Introduction to the Proceedings of the Workshop on Intelligent Service Clouds (ISC) 2014

Norta, Alexander; Vaculin, Roman; Eshuis, Rik Service-Oriented Computing - ICSSOC 2014 Workshops : WESOA; SeMaPS, RMSOC, KASA, ISC, FOR-MOVES, CCSA and Satellite Events, Paris, France, November 3-6, 2014 : revised selected papers 2015 / p. XXI-XXIII <http://dx.doi.org/10.1007/978-3-319-22885-3>

Introduction to the Proceedings of the Workshop on Intelligent Service Clouds (ISC) 2015

Vaculin, Roman; **Norta, Alexander**; Eshuis, Rik Service-Oriented Computing - ICSSOC 2015 Workshops : WESOA, RMSOC, ISC, DISCO, WESE, BSCI, FOR-MOVES, Goa, India, November 16-19, 2015 : revised selected papers 2016 / p. XXII-XXIII <http://dx.doi.org/10.1007/978-3-662-50539-7>

Legally enforceable smart-contract languages : a systematic literature review

Dwivedi, Vimal Kumar; Pattanaik, Vishwajeet; Deval, Vipin; Dixit, Abhishek; **Norta, Alexander**; **Draheim, Dirk** ACM computing surveys 2022 / art. 3453475, p. 1–34 <https://doi.org/10.1145/3453475> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A legally relevant socio-technical language development for smart contracts

Dwivedi, Vimal Kumar; **Norta, Alexander** 2018 IEEE 3rd International Workshops on Foundations and Applications of Self* Systems : (FAS*W), 3–7 September, 2018 Trento, Italy : proceedings 2018 / p. 11-13 <http://doi.org/10.1109/FAS-W.2018.00016>

A legally relevant socio-technical language development for smart contracts = Arukate lepingute jaoks õiguslikult asjakohane sotsiaal-tehniline keelearendus

Dwivedi, Vimal Kumar 2022 <https://doi.org/10.23658/taltech.14/2022> <https://digikogu.taltech.ee/et/Item/f69ec767-0112-4342-9d4c-aceb37502c0b> https://www.ester.ee/record=b5497769*est

A legal-relationship establishment in smart contracts : ontological semantics for programming-language development

Dwivedi, Vimal Kumar; **Norta, Alexander** Advances in Computing and Data Sciences : 5th International Conference, ICACDS 2021, Nashik, India, April 23–24, 2021, Revised Selected Papers, Part I : proceedings 2021 / p. 660-676 https://doi.org/10.1007/978-3-030-81462-5_58 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Lowering financial inclusion barriers with a blockchain-based capital transfer system

Norta, Alexander; Leiding, Benjamin; Lane, Alexi IEEE INFOCOM 2019 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS) 2019 / art. 8845177 ; p. 319-324 <https://doi.org/10.1109/INFOCOMW.2019.8845177>

Lowering financial inclusion barriers with a blockchain-based capital transfer system : whitepaper [Online resource]

Lane, Alexi; Leiding, Benjamin; **Norta, Alexander** 2017 <https://crushcrypto.com/wp-content/uploads/2017/09/EVX-Whitepaper.pdf>

Mapping requirements specifications into a formalized blockchain-enabled authentication protocol for secured personal

identity assurance

Leiding, Benjamin; **Norta, Alexander** Future Data and Security Engineering : 4th International Conference, FDSE 2017, Ho Chi Minh City, Vietnam, November 29 - December 1, 2017 : proceedings 2017 / p. 181-196 : ill https://doi.org/10.1007/978-3-319-70004-5_13

Mobile smart-contract lifecycle governance with incentivized proof-of-stake for oligopoly-formation prevention

Deval, Vipin; Norta, Alexander 19th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing : CCGRID2019 : proceedings 2019 / p. 165-168 : ill <https://doi.org/10.1109/CCGRID.2019.00029>

Modelling sound conflict management for virtual-enterprise collaboration

Narendra, Nanjangud C.; **Norta, Alexander; Mahunna, Msury**; Maggi, Fabrizio Maria 2014 IEEE International Conference on Services Computing SCC 2014 : 27 June-2 July 2014, Anchorage, Alaska : proceedings 2014 / p. 813-820 : ill

MPM4CPS : Multi-Paradigm Modelling for Cyber-Physical Systems

Vangheluwe, Hans; Amaral, Vasco; **Norta, Alexander** STAF16-DS-PS 2016 : STAF 2016 Doctoral Symposium and Projects Showcase : joint proceedings of the Doctoral Symposium and Projects Showcase Held as Part of STAF 2016 co-located with Software Technologies : Applications and Foundations (STAF 2016) : Vienna, Austria, July 4-7, 2016 2016 / p. 40-47 <http://ceur-ws.org/Vol-1675/>

"My agent will not let me talk to the general" : software agents as a tool against Internet scams

Norta, Alexander; Nyman-Metcalf, Katrin Merike; Othman, Anis Ben; Rull, Addi The future of law and eTechnologies 2016 / p. 11-44 : ill http://dx.doi.org/10.1007/978-3-319-26896-5_2 http://www.estee.ee/record=b4601923*est

New test patterns to check the hierarchical structure of wordnets

Lohk, Ahti; Norta, Alexander; Orav, Heili; **Võhandu, Leo** Information and Software Technologies : 20th International Conference, ICIST 2014, Druskininkai, Lithuania, October 9-10, 2014 : proceedings 2014 / p. 110-120

PPCSA: Partial Participation-Based Compressed and Secure Aggregation in Federated Learning

Moustafa, Ahmed; Asad, Muhammad; Shaikat, Saima; **Norta, Alexander** Advanced Information Networking and Applications : Proceedings of the 35th International Conference on Advanced Information Networking and Applications (AINA-2021), Volume 2 2021 / p. 345-357 https://doi.org/10.1007/978-3-030-75075-6_28 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Preface

Norta, Alexander; Gaaloul, Walid; Gangadharan, G. R. Service-Oriented Computing - ICSSOC 2015 Workshops : WESOA, RMSOC, ISC, DISCO, WESE, BSCI, FOR-MOVES, Goa, India, November 16-19, 2015 : revised selected papers 2016 / p. [VI] <http://dx.doi.org/10.1007/978-3-662-50539-7>

A privacy-protecting data-exchange wallet with ownership- and monetization capabilities

Norta, Alexander; Hawthorne, Daniel; Engel, Serafin L. 2018 International Joint Conference on Neural Networks (IJCNN) : 2018 proceedings 2018 / p. 4121-4128 : ill <https://doi.org/10.1109/IJCNN.2018.8489551> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A public, blockchain-based distributed smart-contract platform enabling mobile lite wallets using a proof-of-stake consensus algorithm

Norta, Alexander; Dai, Patrick; Mahi, Neil; Earls, Jordan Business Information Systems Workshops : BIS 2018 : International Workshops, Berlin, Germany, July 18-20, 2018 : Revised Papers 2019 / p. 368-380 https://doi.org/10.1007/978-3-030-04849-5_33 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A reference architecture for a national e-learning infrastructure

Saay, Mohammad Salim; **Norta, Alexander** 9th IEEE/ACM International Conference on Utility and Cloud Computing : UCC 2016 : 6-9 December 2016, Tongji University, Shanghai, China : proceedings 2016 / p. 404-409 : ill <https://doi.org/10.1145/2996890.3007894>

Safeguarding a formalized blockchain-enabled identity-authentication protocol by applying security risk-oriented patterns

Norta, Alexander; Matulevičius, Raimundas; Leiding, Benjamin Computers & Security 2019 / p. 253-269 <https://doi.org/10.1016/j.cose.2019.05.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Securing airline-turnaround processes using security risk-oriented patterns

Samarütel, Silver; Matulevičius, Raimundas; **Norta, Alexander; Nõukas, Rein** The Practice of Enterprise Modeling : 9th IFIP WG 8.1. Working Conference, PoEM 2016, Skövde, Sweden, November 8-10, 2016 : proceedings 2016 / p. 209-224 http://dx.doi.org/10.1007/978-3-319-48393-1_15

Security requirements elicitation from airline turnaround processes

Matulevičius, Raimundas; **Norta, Alexander**; Samarütel, Silver Business & information systems engineering : BISE ; the international journal of wirtschaftsinformatik 2018 / p. 3-20 : ill <https://doi.org/10.1007/s12599-018-0518-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Security risk management in the aviation turnaround sector

Matulevičius, Raimundas; **Norta, Alexander**; **Udokwu, Chibuzor**; **Nõukas, Rein** Future Data and Security Engineering : Third International Conference, FDSE 2016, Can Tho City, Vietnam, November 23-25, 2016 : proceedings 2016 / p. 119-140 : ill http://dx.doi.org/10.1007/978-3-319-48057-2_8

Self-aware agent-supported contract management on blockchains for legal accountability [Online resource]

Norta, Alexander; Vedešin, Anton; Rand, Hando; **Tobies, Simon**; **Rull, Addi**; **Poola, Margus**; **Rull, Teddi** 2017 https://docs.agrello.org/Agrello-Self-Aware_Whitepaper-English.pdf

A self-aware contract for decentralized peer-to-peer (P2P) commerce

Dixit, Abhishek; **Norta, Alexander** 2018 IEEE 3rd International Workshops on Foundations and Applications of Self* Systems : (FAS*W), 3–7 September, 2018 Trento, Italy : proceedings 2018 / p. 17-19 <http://doi.org/10.1109/FAS-W.2018.00018>

Self-aware smart contracts with legal relevance

Norta, Alexander 2018 International Joint Conference on Neural Networks (IJCNN) : 2018 proceedings 2018 / p. 4113-4120 : ill <https://doi.org/10.1109/IJCNN.2018.8489235> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Service outsourcing with process views

Eshuis, Rik; **Norta, Alexander**; Kopp, Oliver; Pitkänen, Esa IEEE transactions on services computing 2015 / p. 136-154 <http://doi.ieeecomputersociety.org/10.1109/TSC.2013.51>

Service-Oriented Computing - ICSOC 2015 Workshops : WESOA, RMSOC, ISC, DISCO, WESE, BSCI, FOR-MOVES, Goa, India, November 16-19, 2015 : revised selected papers

2016 <http://dx.doi.org/10.1007/978-3-662-50539-7>

Simulation and prototyping of sociotechnical systems using agent-oriented modelling = Sotsiotehniliste süsteemide simulatsioon ja prototüüpimine kasutades agentorienteeritud modelleerimist

Mahunnah, Msury 2019 <https://digi.lib.ttu.ee/i/?11297>

Smart-contract value-transfer protocols on a distributed mobile application platform [Online resource]

Dai, Patrick; Mahi, Neil; Earls, Jordan; **Norta, Alexander** 2017 <https://qtum.org/user/pages/03.tech/01.white-papers/Qtum%20Whitepaper.pdf>

Sound conflict management and resolution for virtual-enterprise collaborations

Narendra, Nanjangud C.; **Norta, Alexander**; **Mahunnah, Msury**; **Ma, Lixin**; Maggi, Fabrizio Maria Service-oriented computing and applications 2016 / p. 233-251 : ill <http://dx.doi.org/10.1007/s11761-015-0183-0>

Sustainable machine-to-everything infrastructure management: blockchain-based impact indexing for distributed collaboration systems

Chornoal, Olena; **Norta, Alexander** Proceedings of the IEEE/IFIP Network Operations and Management Symposium 2022: Network and Service Management in the Era of Cloudification, Softwarization and Artificial Intelligence, NOMS 2022 2022 / Code 179994 <https://doi.org/10.1109/NOMS54207.2022.9789760>

Systematic support for full knowledge management lifecycle by advanced semantic annotation across information system boundaries

Pattanaik, Vishwajeet; **Norta, Alexander**; Felderer, Michael; **Draheim, Dirk** Information Systems in the Big Data Era : CAiSE Forum 2018, Tallinn, Estonia, June 11-15, 2018 : proceedings 2018 / p. 66–73 https://doi.org/10.1007/978-3-319-92901-9_7 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The hybrid smart contract agreement challenge to European electronic signature regulation

Veerpalu, Anne; Jürgen, Liisi; Rodrigues E Silva, Eduardo Da Cruz; **Norta, Alexander** International journal of law and information technology 2020 / 45 p. <https://doi.org/10.1093/ijlit/eaab005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Machine-to-Everything (M2X) economy: business enactments, collaborations and e-governance

Leiding, Benjamin; Sharma, Priyanka; **Norta, Alexander** Future Internet 2021 / 15 p. : ill <https://doi.org/10.3390/fi13120319> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The state of the art for blockchain-enabled smart-contract applications in the organization

Udokwu, Chibuzor; **Kormiltsõn, Aleksandr**; **Thangalimodzi, Kondwani**; **Norta, Alexander** 2018 Ivannikov Isp Ras Open Conference Dedicated to the 70th Anniversary of Computer Science in Russia : ISPRAS 2018: 22–23 November, 2018 Moscow, Russia Federation 2018 / p. 137-141 <http://doi.org/10.1109/ISPRAS.2018.00029>

Towards an architecture for e-learning infrastructures on a national level : a case study of AfgREN

Saay, Mohammad Salim; **Norta, Alexander**; Laanpere, Mart Current Developments in Web Based Learning : ICWL 2015 International Workshops, KMEL, IWUM, LA, Guangzhou, China, November 5-8, 2015 : revised selected papers 2016 / p. 98-107 : ill http://dx.doi.org/10.1007/978-3-319-32865-2_11

Towards process-aware cross-organizational human resource management

Cabanillas, Christina; **Norta, Alexander** Enterprise, Business-Process and Information Systems Modeling : 15th International Conference, BPMDS 2014, 19th International Conference, EMMSAD 2014, Held at CAiSE 2014, Thessaloniki, Greece, June 16-17, 2014 : proceedings 2014 / p. 79-93 : ill

Towards software-agent enhanced privacy protection

Rull, Addi; Täks, Ermo; Norta, Alexander Regulating eTechnologies in the European Union : normative realities and trends 2014 / p. 73-94 : ill