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Course pages: <https://ppawar.github.io/>

SUMMARY

- Education from premier institutions with a strong research portfolio that includes 2 books, 7 patents, 13 journal and total 65+ scientific publications complemented by acquisition of EU and Korean research grants.
- 15+ years of research and development, leadership and management experience in international research organizations and industry with core scientific contributions to 20+ EU and industrial cutting-edge projects.
- Scaled Agile Framework (SAFe) 4.0 certified Product Manager/Product Owner with leadership and management experience and an agile coder with a hands-on expertise in fields such as software engineering and data science.
- Consultant and advisor for technology and artificial intelligence companies in Korea and India along with active collaborations with researchers and engineers from diverse nationalities.
- Areas of expertise: Health informatics, big data analytics, machine learning, artificial intelligence, deep learning, IoT, blockchain technologies, clinical data management, mobile computing, software engineering, web technologies, service oriented computing.

EDUCATION

Doctor of Philosophy, Computer Science and Engineering

Jun 2005 - Oct 2011

- Telemedicine group, University of Twente, The Netherlands.
- Supervisor: Dr. Ir. Bert-Jan van Beijnum, Promoter: Prof. Hermie Hermens
- Thesis title: Context-Aware Vertical Handover Mechanisms for Mobile Patient Monitoring

Master of Technology, Computer Science and Engineering

Jul 2000 - Jan 2002

- Indian Institute of Technology, Bombay, India.
- Thesis title: Location Management in Personal Communication Services Networks

Bachelor of Technology, Computer Engineering

Jul 1996 - May 2000

- Dr. Babasaheb Ambedkar Technological University, Lonere, India.

CURRENT POSITION

Research Associate Professor - Department of Computer Science Since Aug 2018

State University of New York, Korea.

- Responsibilities: Teaching under-graduate and graduate computer science courses, research, project guidance.
- Courses taught: Introduction to Data Science, Machine Learning, Programming Languages, Introduction to Computational Thinking, Software Engineering, Programming Abstractions, Introduction to Web Design and Programming.

Project Manager

Since Nov 2019

Baswen Medication, Seoul, Korea.

- Project manager for patient medication management platform using IoT and block-chain technologies for smart medication pill dispenser bottle.
- Platform architecture development, software requirements analysis, software design specification, software testing and outsourcing.

Funded Research project:

- “Development of IoT devices for elderly to provide improved access to digital information” – “독거노인의 디지털정보 접근성 향상을 고려한 디바이스 개발” together with [Ninewatt](#) funded by [Incheon Technopark](#), Dec 2019 to Jun 2020.

Industrial engagement:

- Research Consultant at [Softlabs Group](#), Mumbai, India. Since Nov 2019
- Data Intelligence Advisor at [RNS Labs](#), Bangalore, India. Since Aug 2019

PAST POSITIONS

Senior Scientist - Radiology and Cardiology Informatics

Feb 2016 – Aug 2018

Philips Research, Bangalore, India.

- Responsibilities: Research and develop pioneer solutions for complex health informatics problems using state-of-the art technologies, publishing research papers, filing invention disclosures.
- Care Plans and Interventions for Activate (2018): Spearheaded architecture development and prototyping of integrating activity sensors such as Fitbit, MiBand2 with Physical Activity and Cardiopulmonary Exercise (PACE) prototype.
- Ultrasound Analytics (2018): Drove development and implementation of Drools based rules for analyzing ultrasound devices' component failure based on log event data. Presently, propelling generation of reactive and predictive patterns for ultrasound analytics.
- Patient Engagement (2017): Responsible for architecture development and prototyping of Self Care Coach (SCC) - an automated, dialog-based and personalized digital coaching service, conducting and analyzing users' digital coach preferences study using EFM Feedback and Apache MTurk.
- WellCentive Population Health Analytics (2017): Supported development of Social Determinants of Health (SDoH) UI prototype using ReactJS technology.
- Advanced Radiology Solutions project (2016): Designed architecture and contributed to development of multi-functional DICOM image anonymizer tool based on big-data technology.
- Population Health Theme project (2016): Contributed to asset management tool development, MisFit data analysis and tool development (Recognized by the project manager Jarno Ristama – Philips NL).

Asst. Professor - Computer Science and Engineering

Feb 2014 – Feb 2016

Head of the CSE Department

Jul 2014 – Oct 2015

National Institute of Technology, Goa.

- Achievements: Inception of new Master and PhD programs, initiation of faculty development programs, laboratory setup, proposal submissions for research grants, curriculum and institute development.
- Courses taught: Internet Technologies, Introduction to Computers, Computer Networks, Service Oriented Computing, Compiler Design.

Bioinformatics Researcher

Oct 2012 - Oct 2013

Netherlands Bioinformatics Centre, Nijmegen, The Netherlands.

- Achievements: Headed requirements analysis, design and development of the Proteomics MSQC Pipeline and Report Viewer for use by scientists in the Onco-proteomics lab at [Cancer Center Amsterdam](#) in a hospital setting at Vrije University Medical Center (Dutch CTMM TraIT Project).

Post-doctoral Researcher

Jun 2009 - May 2012

Telemedicine Group, University of Twente, The Netherlands.

- Achievements: Key member in BraveHealth project acquisition, directed requirements analysis, design and development of the BraveHealth Mobile Virtual Communities for patients/doctors (EU FP7 BraveHealth project).
- Achievements: Headed design and implementation of NociTrack mobile software for use by doctors with OpenClinica backend for patient data management (Dutch NociTrack Project).

PhD Researcher

Jun 2005 - Jun 2009

Centre for Telematics and Information Technology, University of Twente, The Netherlands.

- Achievements: Significantly advanced state of the art of context-aware computing in healthcare domain by researching vertical handover mechanisms for improving QoS availability to the remote patient monitoring system, mobile context management system, context-aware service discovery and integrating diverse context management systems, successful use of genetic algorithms to optimize biosignals processing tasks in the remote patient monitoring system (Dutch Freeband AWARENESS and EU IST Amigo Projects).

Software Engineer

Jul 2004 - Jun 2005

[Nevis Networks Inc.](#), Pune, India.

- Achievements: Automated functional/performance test tools developer and QA test automation.

Software Engineer

Jul 2003 – Jun 2004

[Reliance Communications Limited](#), Navi Mumbai, India.

- Activities: Established and coached QA team for the functional/performance testing of Java based CDMA data services applications, inception and lead of University Relations and developer program.

Lecturer - Computer Science and Engineering

Aug 2002 – Jul 2004

Employer: Dr. Babasaheb Ambedkar Technological University, Lonere, India.

- Activities: Teaching courses – applied algorithms, advanced computer networks, distributed systems, advanced database techniques. Bachelor and master student projects.

PROGRAMMING SKILL-SET

- **Deep learning, big data and machine learning:** Torch, Keras, Tensorflow, Hadoop, Spark, HBASE, Scala, Rapidminer, Weka, OpenNLP, NLTK.
- **Languages:** Python, Java/J2EE, SML, Angular-js, JavaScript, JSP, Servlets, Java on Android devices, Soap Web Services, J2ME, XML, UML, SQL, HTML, TCL, RDF, OWL.
- **Development tools and platforms:** Jupyter Notebook, PyCharm, Eclipse, NetBeans, Visio, Rational Unified Architect, Git, Agile, SCRUM, Google Cloud Platform.
- **Databases:** MySQL, SQLite (Android), JDBC, MongoDB.
- **Testing tools/frameworks:** Data driven/keyword driven/hybrid test automation, Selenium, JUnit, Rational Test Manager, Rational Robot, Rational PurifyPlus, Rational Test RealTime, Rational Functional Tester.

PROJECT GRANTS

- Development of IoT devices for elderly to provide improved access to digital information – “독거노인의 디지털정보 접근성 향상을 고려한 디바이스 개발” together with [Ninewatt](#) funded by [Incheon Technopark](#), Dec 2019 to Jun 2020.
- BRAVEHEALTH: Patient Centric Approach for an Integrated, Adaptive, Context Aware Remote Diagnosis and Management of Cardiovascular Diseases. Project ID 248694 funded under FP7-ICT. Mar 2010 to Jul 2012.

FILED PATENTS

1. Jain, A., Pawar, P., Bhat, R., Ulman, S., Ravi B.; Bussa, N., A method and device for real time monitoring and prediction of Bilirubin levels and associated notifications in neonates, US patent No. 62/663331, 27 April 2018. [link](#)
2. Jain, A., Mohanty, S., Pawar, P., Bussa, N., Okaly, V., System and Method for Dynamically Activating and Updating a Geo-fence Based on Patient Density Related to a Health Condition, US patent No. 62/555112, 6 Sept 2017.
3. Dinesh, M.S., Palanisamy, K., Chaudhury, S., Jain, A., Pawar, P., Bussa, N., Obscuring facial features of a subject in an image, EP (EP application / EP patent) No. 17178705.4, June 2017. [link](#)
4. Singh, R., Pawar, P. et. al Evaluating a user's engagement with a computer, EP (EP application / EP patent) No. 17196294.7, Oct 2017. [link](#)
5. Sreenivasan, R., Pawar, P. et. al., Method and system for evaluating compliance of standard clinical guidelines in medical treatments, EP (EP application / EP patent) 17208488.1, Dec-2017. [link](#)
6. Singh, R., Pawar, P., van Genugten, L., Padukone, R., Intent Driven Interactions Pattern Recognition in Human Behaviour Change Interventions to Enable Effective Virtual Health Coaching, EP (EP application/EP patent) No PCT/EP2018/077705, Oct. 2018.

7. Pawar, P., van Genugten, L., Singh, R., Padukone, R., Moorkan, T., Dotsch, R., Associating non-verbal communication content with verbal communication content, EP (EP application/EP patent) No PCT/EP2019/082822, Nov. 2019. [link](#)

PUBLICATIONS

Journal Papers:

Citation	Indexing	Impact Factor
1. Edoh, T., Pawar, P. A., A Crowdsourcing Based Optimal Route Selection for Drug Delivery in Low and Middle Income Countries, Pervasive and Ubiquitous Computing (Springer), in press, 2020.	SCIE	2.5
2. Pawar, P., Reddy, D., Edoh, T., Shinde, V., van Beijnum, B.J.F., Survey on Monitoring and Quality Controlling of the Mobile Biosignal Delivery, Interdisciplinary Sciences: Computational Life Sciences. (Springer), October 2017, https://doi.org/10.1007/s12539-017-0263-2 .	SCIE	1.418
3. Pawar, P. and van Beijnum, B.J.F. and van Sinderen, M.J. and Aggarwal, A. and Maret, P. and De Clercq, F. (2008) Performance evaluation of the context-aware handover mechanism for the nomadic mobile services in remote patient monitoring. Computer Communications, 31 (16). pp. 3831-3842. ISSN 0140-3664.	SCIE	2.766
4. Lindqvist, J. and Pawar, P. and Stuntebeck, E. (2008) HotMobile 2008: Postconference Report. IEEE Pervasive Computing, 7. pp. 80-83. ISSN 1536-1268	SCIE	3.813
5. Pawar, P., Jones, V. M., van Beijnum, B.J.F., and Hermens, H., (2012) A Framework for the Comparison of Mobile Patient Monitoring Systems, Elsevier Journal of Biomedical Informatics, 45(3), http://dx.doi.org/10.1016/j.jbi.2012.02.007 , March 2012.	SCI	3.724
6. Wac, K.E. and Bargh, M.S. and van Beijnum, B.J.F. and Bults, R.G.A. and Pawar, P. and Peddemors, A. (2009) Power- and delay-awareness of health telemonitoring services: the MobiHealth system case study. IEEE Journal on Selected Areas in Communications, 27 (4). pp. 525-536. ISSN 0733-8716	SCI	9.302
7. Edoh, T., Pawar, P. A., & Kora, A. D. (2018). Evaluation of Telemedicine Systems User Satisfaction in Developing Countries: The Case of Mali and Senegal. International Journal of E-Health and Medical Communications (IJEHMC), IGI Global, 9(3), 62-78.	SCOPUS	0.57
8. Maret, P., Pawar, P., Warisawa, S., Muhlenbach, F., Lopez, G., Yamada, I., (2017) Data Model for Health Telemonitoring and Persuasive System Design, Special Issue on "Model and Data Engineering", International Journal of Intelligent Information and Database Systems 10, no. 1-2: 4-20, Inderscience publishers, 2017.	SCOPUS	0.26
9. Edoh, T., Kora A. D., Pawar, P., Coulibaly, G. C., Bidossessi, R. U. A., (Nov. 2016) Predicting telemedicine system user satisfaction in Sub-Saharan Africa, Elsevier ICT Express, http://dx.doi.org/10.1016/j.icte.2016.10.006 .	SCOPUS	1.498

10. Edoh, T., Pawar, P., Teege, G., (2016) A Multidisciplinary Remote Healthcare Delivery System to Increase Health Care Access in Developing Countries, International Journal of Healthcare Information Systems and Informatics (IJHISI), IGI Global, 11(4), October 2016.	SCOPUS	NA
11. van't Klooster, J.W.J.R. and van Beijnum, B.J.F. and Pawar, P. and Sikkel, K. and Meertens, L.O. and Hermens, H.J. (2011) Virtual Communities for Elderly Healthcare: User-Based Requirements Elicitation. International Journal of Networked & Virtual Organizations, 9 (3). pp. 214-232. ISSN 1470-9503.	SCOPUS	0.5
12. van Beijnum, B.J.F. and Pawar, P. and Dulawan, C.B. and Hermens, H.J. (2009) Mobile virtual communities for telemedicine: research challenges and opportunities. International Journal of Computer Science & Applications, 6 (2). pp. 19-37. ISSN 0972-9038.	SCOPUS	NA
13. Reddy, D., Pawar, P. Improved K-means clustering algorithm using Voronoi diagram, International Journal of Computational and Experimental Science and Engineering (IJCESEN), 2(1). Pp. 9-18, 2016.	SJIFactor	SJIF 6.393

Books:

1. Edoh, T., Pawar, P., Sagar P.M. (Editors) (October 2018), Pre-Screening Systems for Early Disease Prediction, Detection, and Prevention, IGI Global, USA.
2. Pawar, P. (2011) Context-aware vertical handover mechanisms for mobile patient monitoring. PhD thesis, University of Twente. CTIT Ph.D. thesis series No.11-207, ISBN 978-90-365-2945-7.

Book Chapters:

1. Whitaker, M., and Pawar, P. (2020), Commodity Ecology: from Smart Cities to Smart Regions via a Blockchain-Based Virtual Community Platform for Ecological Design in Choosing All Materials and Wastes, Blockchain Technologies for Smart Cities, Springer Blockchain Technologies series, Springer.
2. Edoh, T. O., Pawar, P. A., Brügge, B., & Teege, G. (2018). A multidisciplinary remote healthcare Delivery system to increase health Care access, pathology screening, and Treatment in developing countries: The case of benin. In Health Care Delivery and Clinical Science: Concepts, Methodologies, Tools, and Applications (pp. 269-302). IGI Global.
3. Edoh, T. O., Pawar, P. A., & Loko, L. Y. (2018). Challenges Facing Health Service Delivery in Developing Countries and Solution Approaches: The Case of Benin, a West-African Developing Country. In Handbook of Research on Emerging Perspectives on Healthcare Information Systems and Informatics (pp. 515-559). IGI Global.
4. van 't Klooster, J.W.J.R. and Pawar, P. and van Beijnum, B.J.F. and Dulawan, C.B. and Hermens, H.J. (2010) Perspectives on the Viable Mobile Virtual Community for Telemedicine. In: Encyclopedia of E-Business Development and Management in the Global Economy. Advances in E-Business Research (AEBR) Book Series. IGI Global, Hershey, USA, pp. 824-835. ISSN 1935-2700 ISBN 9781615206117.
5. Wac, K., Pawar, P., Broens, T., Van Beijnum, B. J., & Van Halteren, A. (2010). Using SOC in development of context-aware systems: domain-model approach, published in Sheng, Q.-Z. & Yu, J. & Dustdar, S. Enabling Context-Aware Web Services: Methods,

Architectures, and Technologies. Boca Raton: CRC Press & Chapman and Hall. 2010, p. 171-209.

Conference/Workshop Papers:

1. Muhammad Bilal, Hyeok Kim, Muhammad Fayaz, Pravin Pawar, Comparative Analysis of Time Series Forecasting Approaches for Household Electricity Consumption Prediction, 843rd International Conference on Artificial Intelligence and Soft Computing (ICAISC), Jeju Island, Korea, June 2020.
2. Juyoung Yun, Hyeok Kim, Cogitater Sigauke, Muhammad Bilal, Jeongmin Yoo, Pravin Pawar, An IOT and Cloud Computing Based Architecture for Energy Usage Prediction in Smart Homes, 843rd International Conference on Artificial Intelligence and Soft Computing (ICAISC), Jeju Island, Korea, June 2020.
3. Whitaker, M., and Pawar, P. (April 2020), Commodity Ecology: A Virtual Community Platform for Promoting Responsible Consumption and Production to Achieve SDG #12, 2020 IEEE Green Technologies Conference, Oklahoma City, US.
4. Pawar, P., Edoh, T. (2019), Architecture of a Blockchain Based Personal Health Information Management System, 3rd International Conference on Rural and Elderly Health Informatics (IREHI 2019), Dakar, Senegal.
5. Edoh T., Zogbochi V., Pawar P., Bidossessi R. U. A., Impact of Internet on Diseases Awareness and Patient Empowerment - A Study in Benin (West Africa), 4th International Conference on Advances in Biomedical Engineering (ICABME 2017), Lebanon, October 2017.
6. Pawar P., Sagar P. M., Review of Quality of Service in the Mobile Patient Monitoring Systems, IEEE TENSYPMP 2017 – Technologies for Smart Cities, July 2017, Cochin, India.
7. Edoh, T., Atchome A., Alahassa, B. R. U., Pawar, P., Evaluation of a Multi-Tier Heterogeneous Sensor Network for Patient Monitoring – The Case of Benin, MMHealth 2016 Workshop: Multimedia for personal health and health care, Amsterdam, October 2016.
8. Edoh, T., Atchome, A., Alahassa, B.R., Ahouandjinou, A. and Pawar, P., 2016, October. Simulation of Energy Consumption in a Multi-Tier Heterogeneous Sensor Network for Patient Monitoring: Simulation Using NS2-Simulation-Tool. In Proceedings of the 2016 ACM Workshop on Multimedia for Personal Health and Health Care (pp. 55-55). ACM.
9. Reddy, D., Pawar, P. (2015) Improved K-means clustering algorithm using Voronoi diagram, 2nd International Conference on Computational and Experimental Science and Engineering, October 2015, Antalya, Turkey.
10. van Beijnum, B.J.F. and Pawar, P. and Elloumi, L. and Hermens, H.J. (2011) Towards Delivering Disease Support Processes for Patient Empowerment Using Mobile Virtual Communities. In: 4th International Conference on Electronic Healthcare, eHealth 2011, 21-23 November 2011, Málaga, Spain. pp. 158-161. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering 91. Springer. ISBN 978-3-642-29261-3.
11. Rigolin Ferreira Lopes, R. and Yokoyama, R. S. and Kimura, B. Y. L. and Pawar, P. and van Beijnum, B.J.F. and dos Santos Moreira, E. (2009) Exploring User's Habits and Virtual Communities to Improve IP-Connectivity Management. In: Proceedings of 2009 International Conference on Ultra Modern Telecommunications (ICUMT 2009), 18-20 October 2009, Saint Petersburg, Russia. IEEE Computer Society. ISBN 978-1-4244-3941- 6.

12. Mei, Hailiang and van Beijnum, B.J.F. and Pawar, P. and Widya, I.A. and Hermens, H.J. (2009) A*-Based Task Assignment Algorithm for Context-Aware Mobile Patient Monitoring Systems. In: 15th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications, RTCSA 2009, 24-26 Aug 2009, Beijing. pp. 245-254. IEEE. ISBN 978-0-7695-3787-0.
13. Pawar, P. and Boros, H. and Liu, Fei and Heijenck, G.J. and van Beijnum, B.J.F. (2009) Bridging Context Management Systems in the ad hoc and mobile environments. In: IEEE Symposium on Computers and Communications (ISCC), 5-8 July 2009, Sousse, Tunisia. pp. 882-888. IEEE Computer Society. ISBN 978-1-4244-4672-8.
14. Pawar, P. and van Beijnum, B.J.F. and Hermens, H.J. and Wac, K.E. and Konstantas, D. (2009) Context-Aware Computing Support for Network-Assisted Seamless Vertical Handover in Remote Patient Monitoring. In: International Conference on Advanced Information Networking and Applications Workshops, 2009. WAINA '09., 26-29 May 2009, Bradford, UK. pp. 351-358. IEEE Computer Society. ISBN 978-1-4244-3999-7.
15. Pawar, P. and van Beijnum, B.J.F. and Mei, Hailiang and Hermens, H.J. (2009) Towards Proactive Context-Aware Service Selection in the Geographically Distributed Remote Patient Monitoring System. In: 4th International Symposium on Wireless Pervasive Computing, 2009. ISWPC 2009., 11-13 Feb. 2009, Melbourne. pp. 1-8. IEEE Computer Society. ISBN 978-1-42442-965-3.
16. Mei, Hailiang and van Beijnum, B.J.F. and Pawar, P. and Widya, I.A. and Hermens, H.J. (2009) Context-Aware Dynamic Reconfiguration of Mobile Patient Monitoring Systems. In: 4th International Symposium on Wireless Pervasive Computing, 2009. ISWPC 2009., 11- 13 Feb. 2009, Melbourne. pp. 1-5. IEEE Computer Society. ISBN 978-1-4244-2965-3.
17. Pawar, P. and van Beijnum, B.J.F. and Wac, K.E. and Hermens, H.J. and Konstantas, D. (2009) Towards Location Based QoS-Aware Network Selection Mechanism for the Nomadic Mobile Services. In: 6th IEEE Consumer Communications and Networking Conference, 2009. CCNC 2009., 10-13 Jan. 2009, Las Vegas. pp. 1-5. IEEE Computer Society. ISBN 978-1-4244-2308-8.
18. Pawar, P. and van Beijnum, B.J.F. and Hermens, H.J. and Konstantas, D. (2008) Analysis of Context-Aware Network Selection Schemes for Power Savings. In: IEEE Asia-Pacific Services Computing Conference (IEEE APSCC 2008), Dec 2008, Yilan, Taiwan. pp. 587-594. IEEE Computer Society. ISBN 978-0-7695-3473-2.
19. Subercaze, J. and Maret, P. and Calmet, J. and Pawar, P. (2008) A Service Oriented Framework for Mobile Business Virtual Communities. In: Pervasive Collaborative Networks - IFIP TC 5 WG 5.5 Ninth Working Conference on VIRTUAL ENTERPRISES, September 8-10, 2008, Poznan, Poland, Sep 2008, Poznan, Poland. pp. 493-500. Springer Verlag. ISSN 1861-2288 ISBN 978-0-387-84836-5.
20. Pawar, P. and Subercaze, J. and Maret, P. and van Beijnum, B.J.F. and Konstantas, D. (2008) Towards business model and technical platform for the service oriented context-aware mobile virtual communities. In: Proceedings of IEEE Symposium on Computers and Communications (ISCC), 6-9 July 2008, Marrakech, Morocco. pp. 103-110. IEEE Computer Society. ISSN 1530-1346 ISBN 978-1-4244-2702-4.
21. Wac, K.E. and Bargh, M.S. and Pawar, P. and van Beijnum, B.J.F. and Peddemors, A. and Bults, R.G.A. (2008) Power and Delay Aware Mobile Application Data Flow Adaptation: The MobiHealth System Case Study. In: Proceedings of 10th International Conference on e-health Networking, Applications and Services (HealthCom), Singapore. pp. 212-218. IEEE Communications Society. ISBN 978-1-4244-2281-4.

22. Pawar, P. and Wac, K.E. and van Beijnum, B.J.F. and Maret, P. and van Halteren, A.T. and Hermens, H.J. (2008) Context-aware middleware architecture for vertical handover support to multi-homed nomadic mobile services. In: Proceedings of the 2008 ACM symposium on Applied computing, Fortaleza, Ceara, Brazil. pp. 481-488. ACM. ISBN 978- 1-59593-753-7.
23. Hesselman, C.E.W. and Benz, H.P. and Pawar, P. and Liu, Fei and Wegdam, M. and Wibbels, M. and Broens, T.H.F. and Brok, J. (2008) Bridging context management systems for different types of pervasive computing environments. In: Proceedings of the First International Conference on MOBILE Wireless MiddleWARE, Operating Systems, and Applications, 15-17 February 2008, Innsbruck, Austria. pp. 1-8. ACM International Conference Proceedings series 278.
24. Pawar, P. and van Beijnum, B.J.F. and Srirama, S. and van Halteren, A.T. (2007) A Comparative Study of Nomadic Mobile Service Provisioning Approaches. In: Proceedings of The 2007 International Conference on Next Generation Mobile Applications, Services and Technologies, 2007. NGMAST '07., 12-14 Sep 2007, Cardiff, UK. pp. 277-286. IEEE Computer Society. ISBN 0-7695-2878-3.
25. Pawar, P. and Mei, Hailiang and Widya, I.A. and van Beijnum, B.J.F. and van Halteren, A.T. (2007) Context-Aware Task Assignment in Ubiquitous Computing Environment - A Genetic Algorithm Based Approach. In: Proceedings of 2007 IEEE Congress on Evolutionary Computation (CEC 2007), 25-28 Sep 2007, Singapore. pp. 2695-2702. IEEE Computer Society. ISBN 1-4244-1340-0.
26. Pawar, P. and van Beijnum, B.J.F. and Peddemors, A. and van Halteren, A.T. Context-Aware Middleware Support for the Nomadic Mobile Services on Multi-homed Handheld Mobile Devices In: Computers and Communications, 2007. ISCC 2007 IEEE Symposium on 01 July 2007, Aveiro, Portugal. **(Best paper award)**
27. Pawar, P. and van Beijnum, B.J.F. and van Sinderen, M.J. and Aggarwal, A. and De Clercq, F. (2007) Performance Analysis of Nomadic Mobile Services on Multi-homed Handheld Devices. In: Proceedings of 2007 International Symposium on Performance Evaluation of Computer and Telecommunication Systems, 16-18 Jul 2007, San Diego. pp. 387-396. The Society for Modeling and Simulation International. ISBN 1-56555-317-9.
28. Mei, Hailiang and Widya, I.A. and Broens, T.H.F. and Pawar, P. and van Halteren, A.T. and Shishkov, B.B. and van Sinderen, M.J. (2007) A Framework for Smart Distribution of Bio-signal Processing Units in M-Health. In: Second International Conference on Software and Data Technologies (ICSOF 2007), 22-25 July 2007, Barcelona, Spain. pp. 249-255. INSTICC. ISBN 978-989-8111-07-4.
29. Pawar, P. and van Halteren, A.T. and Sheikh, K. (2007) Enabling Context-Aware Computing for the Nomadic Mobile User: A Service Oriented and Quality Driven Approach. In: Proceedings of IEEE Wireless Communications and Networking Conference (WNC), 11-15 Mar 2007, Hong Kong, China. pp. 2531-2536. IEEE Communications Society. ISBN 1-4244-0658-7.
30. Mei, Hailiang and Pawar, P. and Widya, I.A. (2007) Optimal Assignment of a Tree- Structured Context Reasoning Procedure onto a Host-Satellites System. In: Proceedings of IEEE International Parallel and Distributed Processing Symposium (IPDPS), 26 - 30 Mar 2007, Long Beach, US. pp. 1-9. IEEE Computer Society. ISBN 1-4244-0910-1.
31. Hesselman, C.E.W. and Tokmakoff, A. and Pawar, P. and Iacob, S.M. (2006) Discovery and Composition of Services for Context-Aware Systems. In: 1st IEEE European Conference on Smart Sensing and Context - EuroSSC 2006, 25-27 October, 2006,

Enschede, The Netherlands. pp. 67-81. lecture Notes in Computer Science 4272. Springer Verlag. ISBN 978-3-540-47842-3.

32. van Halteren, A.T. and Pawar, P. (2006) Mobile Service Platform: A Middleware for Nomadic Mobile Service Provisioning. In: IEEE International Conference on Wireless and Mobile Computing, Networking and Communications, 2006 (WiMob 2006)., 19-21 Jun 2006, Montreal, Canada. pp. 292-299. IEEE Computer Society. ISBN 1-4244-0494-0
33. Srirama, S. and Kakumani, R. and Aggarwal, A. and Pawar, P. (2006) Effective Testing Principles for the Mobile Data Services Applications. In: IEEE Workshop on Software for Wireless Communications and Applications, 12 Jan 2006, New Delhi, India. pp. 1-5. IEEE. ISBN 0-7803-9575-1.
34. Pawar, P. and Tokmakoff, A. (2006) Ontology-Based Context-Aware Service Discovery for Pervasive Environments. In: 1st IEEE International Workshop on Services Integration in Pervasive Environments (SIPE 2006), Co-located with IEEE ICPS 2006, 29 June 2006, Lyon, France. pp. 1-7. IEEE Computer Society. ISBN 1-4244-0237-9.
35. Pawar, P. and S. L. Mehndiratta, A. K. Aggarwal (2004), Working Set Scheme For Location Management: Analysis for the Synthetic Mobility Traces, Advances in Computing and Communications, Proceedings of ADCOM 2004, Ahmedabad, India.
36. Pawar, P. and A. K. Aggarwal (2004), Associative Rule Mining of Mobile Data Services Usage for Preference Analysis, Personalization & Promotion, WSEAS International Conference on Simulation, Modeling and Optimization', Izmir, Turkey.
37. Pawar, P. and S. L. Mehndiratta (2004), Database Hierarchy Optimization in PCS networks: A Genetic Algorithm Approach, International Conference on Knowledge Based Computer Systems (KBCS 2004), Hyderabad, India.
38. Pawar, P. and S. L. Mehndiratta (2003), Experimental Assessment of Working Set Scheme for Location Management in Mobile Networks, High Performance Computing' by Springer-Verlag in Lecture Notes in Computer Science (Proceedings of the International Conference on High Performance Computing HiPC 2003), Hyderabad, India.
39. Pawar, P. and G. N. Nagaraja (2002), Regular Grammatical Inference: A Genetic Algorithm Approach, Advances in Soft Computing by Springer-Verlag in Lecture Notes of Artificial Intelligence, Proceedings of International Conference on Fuzzy Systems, Calcutta, India.

RECENT TALKS

1. "Architecture of a Blockchain Based Personal Health Information Management System", Systems Engineering Department, Cornell University, February 2020.
2. "Introduction to Data Science", Department of Information Science and Technology, Penn State University, February 2020.
3. "Trends in Software Engineering – From Waterfall to Agile", guest lecture at Dr. Dr. Babasaheb Ambedkar Technological University Lonere, August 2019.
4. "Introduction to Clinical Trials", guest lecture in the EST 516 – Science for Society course, TSM Department, SUNY Korea, March 2019.

SELECTED AWARDS/RECOGNITIONS

Dec. 2017: 2nd Runner Up in Deep Learning for Visual Computing 2017 Winter School challenge.

Dec. 2016: Recognized by the project manager Jarno Ristama – Philips NL for contribution to population health theme project.

Jun. 2012: Science Direct's top 25 hottest articles in Computer Science - A Framework for the Comparison of Mobile Patient Monitoring Systems.

Jul. 2007: Overall best paper award in the 12th IEEE Symposium on Computers and Communications.

Aug. 2007 - Nov. 2007: Mobilité Internationale Rhône-Alpes research grant for research internship to Institut National des Sciences Appliquées de Lyon (INSA-Lyon).

Sep. 2007: Student travel grant for IEEE Congress of Evolutionary Computation, Singapore, (US\$ 700).

1993: National Talent Search Scholarship, India.

PROFESSIONAL CERTIFICATIONS

- Scaled Agile Framework (SAFe) 4.0 Product Manager/Product Owner (2016) Certificate ID: 86793839-7122.

OTHER INTERESTS

Backpacking, trekking, travelling, cycling, various sports, reading/ writing, cooking.

PERSONAL DATA

Date and place of birth: 05 August 1978, Jalgaon (M.S.), India

Nationality: Indian

Languages: English (Professional), Hindi, Marathi, Dutch (Basic)