

RESUME OF ASOKE K TALUKDER, PH.D

Asoke K Talukder is a serial entrepreneur and a polymath. He is a Physicist by training (BSc, MSc), Computer Scientist by choice (PhD), and a Geneticist by passion. He contributed in the field of Data Sciences, Artificial Intelligence, Omic sciences, Health Sciences, Systems Biology, Knowledge engineering, Mobile computing, Information Security, Telecommunication, Creative Arts, Research, and Education. His expertise range from 'Compilers to Cancer' and 'Puppetry to Precision Medicine' including leadership, entrepreneurship, and management skills. He is a hands-on think-tank, a Full-Stack developer, an Author, a Columnist with wide breadth and depth of expertise. He is a pioneer in developing technologies for India to go digital starting from LIC, Nationalized Banks, BSNL to Digital Health and Genomics. He worked in India, USA, UK, and Singapore in the domains of Product Innovation for companies like ICL, Fujitsu-ICIM, Microsoft, Oracle, Informix, Digital, Hewlett Packard, Sequoia, Northern Telecom, NEC, KredietBank, iGate, Cellnext, InterpretOmics etc. He developed/innovated many technologies that were 'First' in World. He taught in many leading Indian universities and authored many book chapters, books, and peer-reviewed technical papers. Two of his books have been translated in Chinese language. His current domains of interest are Artificial Intelligence, Mathematical Models, Knowledge Graphs, and Expert Systems with specific focus on Human Health and Human Disease. His focus area is high productivity in Healthcare with improved outcome, reduced disease burden, and reduced medical error at the Point-of-Care.

Rare Achievements:

- Constructed a model of Apollo 11, the Landing on Moon (February, 1968) that was awarded. Same was a pictured story in American Reporter English and Bengali Edition.
- Constructed and Presented a model of Apollo - Saturn V to the "People of America", (media coverage with picture in USIA World, the Bulletin of Department of Public Information, USA, July 1968)
- Engineered ODE suite of software that allowed public sector LIC to go digital in 1983. This is the First Software Product of ICL India
- Engineered COBOL Compiler for ICLS25 that allowed digitization of Nationalized Indian Banks (1984). This is the First COBOL Compiler developed in ICL India
- Enhancing OS of ICL Mainframe Operating System VME for ICL 2900 series of mainframe computers. This is the first in world where the mainframe O/S is enhanced to support dumb terminal through Reverse Emulator over X.28 & X.25 networks. This allowed DoT, BSNL, MTNL to go digital with electronic online 197 (Directory enquiry) and Realtime Fault complain 198 services (1986).
- Setup the first Data network (X.25 network) in India for Department of Telecommunications (currently BSNL & MTNL) (1986)
- Engineered the complete system (software, controller, and hardware) for first international data network in India and Dubai for Hong Kong and Shanghai Bank for online realtime banking transactions between Honk Kong and Shanghai Bank in Bombay and British Bank of Middle East in Dubai through Satellite network. Due to challenges in satellite communication and data security it used ICL communication protocol between ME29 and PC AT at Bombay and Screenshare between Bombay and Dubai PC AT (1987)

Asoke K Talukder, PhD

- Engineered the Network Management System for Queen's Award winning PDMX – first fibre optic multiplexer in the World (1990). This was a ZERO Defect Safety Critical system.
- Internet enabled Microsoft PowerPoint Version 3.0 for Microsoft (First in the World) (1992)
- Engineered Oracle Parallel Server for Hewlett Packard HP-FX, Sequoia Fault Tolerant computer (First in the World) (1993)
- Engineered the first commercial 64 bit database (Informix) for DEC-Alpha (First in the world) (1994)
- Developed suite of products and tools for Y2K (1996-1997)
- Setup the first Java Competency Centre in India in collaboration with SUN (1998)
- Co-founded CellNext, the wireless technology and Mobile content, and Mobile Internet Company that defined the mobile Web and mobile content in India including Indian Railways realtime content (2000).
- Developed the technology for First Realtime Reality TV Show in the World for START TV show Kaun Banega Crorepati (2002) (Who Wants to be a Millionaire) hosted by Amitabh Bachchan. Used short code for the first time, which is today used across the globe.
- Co-founder of InterpretOmics a leading Systems Biology and Genomic Sciences company (First in India) and second in the world (2008).
- Authored books that became syllabus making books and translated in Chinese language (2008)
- Developed the first Fault Tolerant Virtual Reverse Emulator software for ICL VME system to allow X-28 character mode terminals to work as a block mode terminal for ICL Mainframe 2966/2988 series computers over X.25.
- Wrote a story and screenplay for AIR (All India Radio) and Doordarshan on Family Planning as part of a contest – same was awarded the best screenplay in Bangla (1981)
- Founded a puppet theatre 'Aamra Putul', experimented with glove, rod, and shadow puppets. The puppet theatre group become one of the leading puppet theatres in Kolkata in five years (1972)
- Wrote Detective Story in Bangla as part of a story writing competition in Kishore Bharati – a leading magazine for youth. The same was awarded and published in Kishore Bharati

Awards and Honours:

- Awarded the Bio-Excellence Award 2017 by the Department IT (Information Technology), BT (Bio-Technology) and S&T (Science & Technology), Government of Karnataka as the "Emerging Company of the Year" for Outstanding contribution for Vibrant Health Sciences
- Awarded the Bio-Excellence Award 2015 by the Department of IT (Information Technology), BT (Bio-Technology) and S&T (Science & Technology), Government of Karnataka and Vision Group on Biotechnology as the "Emerging Company of the Year" for InterpretOmics
- iTijori, Identity Management and Single Sign On product on Java card (SIM Card) – recipient of Simagine 2003 award, GSM World Congress, Cannes. This was the first time an Indian product received an award in GSM World Congress, Cannes
- pBiz gateway, a middleware framework product to enables any legacy applications to be ubiquitous, mobile, and stateful/stateless – recipient of the

Asoke K Talukder, PhD

“IBM Solutions Excellence Award”, San Francisco for 2001 in the eCommerce category

- Recipient of “ICL Atlas Club” Award for Outstanding Performance, Mauritius, 1994
- Recipient of “ICL Chief Executives Award of Excellence”, for COBOL Compiler and ODE products, Monte Carlo, 1986
- Recipient of “ICL Services Trophy” in 1985
- Recipient of “ICIM Professional Excellence Award” in 1985
- Columnist for the “Live Wire” column of Times of India, NIE (Newspaper In Education), Bangalore
- Listed in “Who’s Who in The World”
- Listed in “Who’s Who in Science and Engineering”
- Listed in “Outstanding Scientists of 21st Century”
- Listed in “Leading Scientists of the World”
- Recipient of “21st Century Award for Achievement”, 2007

Formal Education:

- Ph. D (Computer Science & Engineering), IITB, 2008.
- M. Sc (Physics) with Biophysics Major, Presidency College (Calcutta University), 1976.
- B. Sc (Physics Honours), BKC College, Calcutta University, 1971.

Current Affiliations:

- Adjunct Faculty, Computer Science and Engineering department, National Institute of Technology, Surathkal, India
- Chief Science and Technology Officer, SRIT India, Bangalore, India
- Founder of CyberneticCare

Industry Experience:

- Chief Scientific Officer, SRIT India (2019), a company in Health care
- Co-founder and Chief Science & Technology Officer, Vibrant Health Sciences (2017), a company in AI and Big Data in Health Care
- Co-founder and Chief Science & Technology Officer, Precision Genomics (2017). a company in Genomic Sciences and Systems Biology
- Co-founder and Chief Scientific Officer InterpretOmics from August 2008, a company in Genomic Sciences, Systems Biology, and Precision Medicine
- Co-founder Chief Technology Officer, Cellnext Solutions Ltd, Bangalore, from May 2000 to December 2002, the mobile computing company
- CTO & Executive Director-Telecom, Sobha Renaissance Information Technology, from April 2007 to February 2009.
- Vice President, Tyfone from February 2006 to April 2007.
- Principal Advisor, Experts’ Panel DSL software (currently HCL), Bangalore from November 2004 to October 2005.
- Vice President, Blue Star Infotech Ltd., Bangalore from January 1999 to May 2000.
- Chief Technology Officer, Mascot Systems (currently iGate), Bangalore from August 1997 to January 1999.
- Chief Technology Officer and Vice President, Mindware, PCL Software Export Division, Bangalore from April 1996 to August 1997.
- General Manager, Fujitsu ICIM Ltd., Informix Development Centre, Seepz, Bombay, from July 1995 to December 1995.

Asoke K Talukder, PhD

- Chief Manager, International Computers (India) Limited, Seepz, Bombay, from August 1994.
- Technical Manager, ICIM International Inc., San Jose, USA, from January 1992.
- Divisional Manager, Systems Integration and Open systems, International Software Division, ICIM, Pune, from January 1991.
- Senior Manager, Networking Centre of Excellence, ICIM, Pune, from April 1989.
- Manager, Networking Centre of Excellence, ICIM, Pune, from September 1986.
- Various positions in ICIM from July 1982 to March 1986.
- Programmer "A", National Informatics Centre, Department Of Electronics, Government of India, Calcutta, from August 1980.
- System Administrator for Burroughs 6700 Mainframe at Regional Computer Centre, Calcutta from September 1979.

Books Authored:

- Asoke K Talukder, Nuno Garcia, G.M. Jayateertha (Author & Editor), "Convergence through All IP Networks", (Chinese Edition), 2016, China Machine Press, Taylor & Francis, ISBN number is ISBN 978-7-111-52645-2
- Asoke K Talukder, Nuno Garcia, G.M. Jayateertha (Author & Editor), "Convergence through All IP Networks", 2013, CRC Press, ISBN 9789814364638
- Asoke K Talukder, Roopa R Yavagal, BIAN ZHU, Mobile Communication Technology, Application and Service Creation (Chinese Edition), 2011
- Asoke K Talukder, Texting for Business, 2011, LAP LAMBERT Academic Publishing, ISBN 978-3-8465-3709-1
- Asoke K. Talukder, Manish Chaitanya, Architecting Secure Software Systems, 2008, CRC Press, 2008, ISBN-10: 1420087843, ISBN-13: 978-1420087840
- Asoke K Talukder, Hasan Ahmed, Roopa Yavagal, Mobile Computing – Technology, Applications and Service Creation, Edition 2, 2010, McGraw-Hill
- Asoke K Talukder, Roopa Yavagal, Mobile Computing – Technology, Applications and Service Creation, 2005, Tata McGraw-Hill, ISBN 0-07-058807-4, 2005

Books Edited:

- Suresh Manandhar, Jim Austin, Uday Desai, Yoshio Oyanagi, and Asoke K Talukder (Editor) "Lecture Notes on Computer Science" LNCS 3285 on Applied Computing. Published by Springer-Verlag, ISBN 3-540-23659-7
- Lalit Mohan Patnaik, Asoke K Talukder, Deepak Bhattarai, and Hirendra Man Pradhan (Editor) "Innovative Applications of Information Technology for the Developing World: Proceedings of the 3rd Asian Applied Computing Conference", Imperial College Press, 2007, ISBN-10: 1860948278; ISBN-13: 978-1860948275

Book Chapters Authored:

- Mohamood Adhil, Mahima Agarwal, Prahalad Achutharao and Asoke K. Talukder, Advanced computational methods, NGS tools and software for mammalian systems biology, Systems Biology in Animal Production and Health, Springer Australia, 2016
- Asoke K Talukder, Securing Next Generation Internet Services, for book titled Cyber Security, Cyber Crime and Cyber Forensics: Applications and

Asoke K Talukder, PhD

Perspectives, Edited by T. S. Raghu, M. Sethumadhavan, Mohit Virendra,
Published by IGI Global, December 2010

- Asoke K Talukder, Lawrence Zimmerman, Prahalad, H.A, Economy in the Cloud, for book titled Cloud Computing: Principles, Systems and Applications, Edited by Nick Antonopoulos and Dr Lee Gillam, Published by Springer-Verlag, August 2010
- Working on a book chapter “Next Generation Web” that covers WebRTC, Web Voice API, WebUSB

Patents:

- Secure Messaging, patent US20080279381 A1, approved 2006
- Artificial Hygiene, applied for provisional patent in USA, 2004
- Asynchronous Multifactor Security technology, applied for provisional patent India, 2002
- Tracking Cancer Using Quantitative Profusion Algorithm, provitional patent in USA, 2015

Areas of Expertise:

- Research, Ideation, Innovation,
- Computational Quantitative Biology,
- Statistical & Mathematical Sciences,
- Computational Genomics,
- Data Sciences
- Big-data Analytics,
- Wireless Communication, Mobility, Ubiquitous systems and applications,
- Telecommunications, Mobile Computing,
- Internals of Databases, Compilers, Operating systems, and Algorithms,
- Graph Theory, Knowledge Graphs, Graph databases, Visualization
- Ontologies, SNOMED CT, DisGenNET, Disease Ontology, etc
- UNIX, R, C/C++, Python, JavaScript, Systems Programming, Many programming languages
- Full Stack development
- IoT (Internet of Things), CPS (Cyber Physical Systems), Sensors

Academic Positions:

- Adjunct Faculty, Department of Computer Science and Engineering, National Institute of Technology Karnataka, Surathkal, from January, 2022 to May 2022 teaching and guiding research in Big Data Analytics & Artificial Intelligence.
- Adjunct Faculty, Department of Computer Science and Engineering, National Institute of Technology Karnataka, Surathkal, from August, 2021 to December 2021 teaching and guiding research in Machine Learning & Artificial Intelligence.
- Adjunct Professor, Department of Computer Science and Engineering, National Institute of Technology, Warangal, Deemed University, from July 2008 teaching Computer Sciences and Data Sciences to M.Tech students.
- Adjunct Professor, ABV Indian Institute of Information Technology & Management, Gwalior, from January 2010 teaching Information Security and Mobility to IPG & M.Tech students
- Adjunct Faculty, Department of Computer Engineering, National Institute of Technology Karnataka at Surathkal, Deemed University, from October 2007 teaching Information Security to M.Tech students.

Asoke K Talukder, PhD

- DaimlerChrysler Chair Professor, Indian Institute of Information Technology – Bangalore, Deemed University, from January 2003 to September 2007. Offered courses on Mobile Computing, Cryptography & Information Security.
- Visiting Professor, Vellore Institute of Technology, University, Vellore from January 2005 to December 2005 offering course in “Mobile Computing” to M.Tech students
- Adjunct Professor, Indian Institute of Information Technology – Bangalore from July 2000 to December 2002 teaching “Security Engineering” and “WAP and Mobile Applications”
- Lecturer, Birla College of Science and Education, Calcutta 1977 teaching Physics to undergraduate students
- Co-developer of “National Mission Project on Education through ICT” on “Cryptography and Applications”, 2009-2010
- Supervising M.Tech students at IITM, IITB, NITW & NITK

Genomics, Precision Medicine, & Biomedical Engagements:

- Bioinformatics Lab (outsourced 3 scientists/bioinformaticians) for IFOM (FIRC Institute of Molecular Oncology), Milan, Italy
- Exome Analysis for congenital eye disease for AIIMS, Delhi, India
- Discovery of Protein Structure for Norrie Disease for LVP Eye Hospital, Hyderabad, India
- Epigenomics (ChIP-Seq) Analysis for Beans, University of Delaware, USA
- Epigenomics (ChIP-Seq) & RNA-Seq analysis for Disease resistance of Beans, University of Delaware, USA
- Microarray Data Analysis of Human data for IICB, Kolkata, India
- miRNA Analysis & Discovery for Human Stem Cell, IGIB, Delhi, India
- miRNA Analysis & Discovery for Rice & Tomato for ICGEB, Delhi, India
- miRNA Analysis & Discovery for Hydra for NCBS, Bangalore, India
- DNA-Seq & RNA-Seq for Goat NBAGR, Karnal, India
- RNA-Seq for Buffalo for NBAGR, Karnal, India
- Assembly of M.Ciceri genome for NRCPB
- Metabolic Pathway for Streptomyces for Biocon
- Genome Assembly of Pathogens, University of Giessen, Germany
- Metagenomics Analysis of bacteria for CMC Vellore, India & a Lab at South Africa
- iOMICS Platform for Genetics and Molecular Medicine
- etc...

Other Professional Engagements:

- Member Board of Governors, NDRF, The Institute Of Engineers (INDIA)
- Member of the Task Force on DBT (Department of Biotechnology), on Interfering RNA
- Program Committee member, Big Data Analytics (BDA20016, BDA2017, and BDA20018)
- Member of the BOS (Board of Studies) of KSOU (Karnataka State Open University) on Mobile Applications
- President of India’s Wireless Initiative (IWIN), 2001 to 2004
- Technical Program Chair for AACC2005 (Asian Applied Computing Conference), Kathmandu, Nepal
- Technical Program Co-chair for IEEE International Conference on Wireless and Optical Communications Networks (WOCN2009), 2009 Cairo.

Asoke K Talukder, PhD

- Technical Program Co-chair for IEEE International Conference on Asian Himalayas International Conference on Internet (AH-ICI2009), 2009 Kathmandu, Nepal.
- Technical Program Co-chair for International Conference on Embedded Systems, Mobile Communication and Computing (ICEMC² 2006, 2007, 2008), Bangalore, India
- Area Chair of Mobile Computing for Asian Applied Computing Conference (AACC2004, AACC2005, AACC2006), Kathmandu, Nepal
- Workshop Chair, AACC2006 (Asian Applied Computing Conference), Kathmandu, Nepal
- Technical Program Committee member, International Conference of Wireless and Optical Communications Networks WoCN 2006, India; WoCN 2007, Singapore; WoCN 2008, Indonesia.
- Technical Program Committee member, International Conference on Information Processing, August 10-12, 2007, Bangalore
- Member of the advisory board of ObCom international conference, Vellore Institute of Technology, Deemed University, Vellore, Tamil Nadu (2006, 2007)
- Technical Chair, National Conference on Network Security and Management (NCNSM 2007)
- Invited Speaker in different public seminars, conferences and forums
- Reviewer of various technical journals including
 - o Springer Wireless Personal Communications
 - o IEEE Communications Letter
 - o Journal of Indian Institute of Science

Contact Details:

D-37, Golden Enclave,

Airport Road, Bangalore 560 017, INDIA

Tel: Home +91 (080) 25210308

GSM: +91 (0) 8197403003

Personal email: asoke.talukder@gmail.com

Company email: asoke.talukder@renaissance-it.com

Peer Reviewed Technical Publications (Partial List) & Research Contributions

1. Asoke K Talukder, Lynn Schriml, Arnab Ghosh, Rakesh Biswas, Prantar Chakrabarti, Roland Haas. (2021). **Diseasomics: Actionable Machine Interpretable Disease Knowledge at the Point-of-Care**. Under review
2. Asoke K Talukder. (2021). **Bridging the Inferential Gaps in Healthcare**. Big Data Analytics 2021. Springer LNCS, volume 13147
3. Asoke K Talukder, Prantar Chakrabarti, Bhaskar Narayan Chaudhuri, Tavpritesh Sethi, Rakesh Lodha, Roland Haas. (2021). **2AI&7D Model of Resistomics to Counter the Accelerating Antibiotic Resistance and the Medical Climate Crisis**. Big Data Analytics 2021. Springer LNCS, volume 13147
4. Rohini Basu, Meghana Madarkal, Asoke K Talukder. (2021). **Smartphone Mammography for Breast Cancer Screening**. Big Data Analytics 2021. Springer LNCS, volume 13147
5. Asoke K Talukder, Roland E Haas. (2021). **Oncolomics: Digital Twins & Digital Triplets in Cancer Care**. Accepted for oral presentation, Seventh Computational Approaches for Cancer Workshop (CAFCW21), Supercomputing Conference (SC21)

6. Asoke K Talukder. (2021). **Cancer Compass: Biomarkers for Early Detection of Cancer**. Accepted as Poster Presentation, Seventh Computational Approaches for Cancer Workshop (CAFCW21), Supercomputing Conference (SC21)
7. Ankita Sen, Asoke Talukder, et al. (2021). **Care of Children with Acute Leukaemia in a Government Hospital in India: A Retrospective Analysis of the Balancing Act Between Science and Society**. Indian Journal of Medical and Pediatric Oncology, CC BY-NC-ND 4.0 Oncol 2021; 42(02): 161-167.
8. Asoke Talukder and Roland Haas. 2021. **AIoT: AI meets IoT and Web in Smart Healthcare**. In 13th ACM Web Science Conference 2021 (WebSci '21). Association for Computing Machinery, New York, NY, USA, 92–98. DOI:<https://doi.org/10.1145/3462741.3466650>
9. S. Ghosal, D. Das, V. Udutalapally, A. K. Talukder and S. Misra, "**sHEMO: Smartphone Spectroscopy for Blood Hemoglobin Level Monitoring in Smart Anemia-Care**". IEEE Sensors Journal, vol. 21, no. 6, pp. 8520-8529, 15 March, 2021, doi: 10.1109/JSEN.2020.3044386.
10. Prantar Chakrabarti, Asoke K Talukder, Koustuv Dalal. (2020). **Implementing a Virtual Haematology Clinic for Indians: Lessons Learnt During the Pandemic**. HAEMATOCON 2020
11. Asoke K Talukder. (2020). **Next Generation Web: Technologies and Services**. Big Data Analytics BDA2020. LNCS 12581. Springer
12. Asoke K Talukder, Julio Bonis Sanz, Jahnvi Samajpati. (2020). **'Precision Health': Balancing Reactive Care and Proactive Care through The Evidence Based Knowledge Graph Constructed from Real-World Electronic Health Records, Disease Trajectories, Diseaseome, and Patholome**. Big Data Analytics BDA2020. LNCS 12581. Springer
13. Shubham Yadav, Sakthi Ganesh, Debanjan Das, Venkanna U, Rajarshi Mahapatra, Ankur Kumar Shrivastava, Prantar Chakrabarti, Asoke K Talukder. (2019). **Suśruta: Artificial Intelligence and Bayesian Knowledge Network in Health Care – Smartphone Apps for diagnosis and differentiation of anemias with higher accuracy at Resource Constrained Point-of-Care settings**. Big Data Analytics. BDA2019. Lecture Notes in Computer Science, vol 11932, Springer
14. Sakthi Ganesh K, Asoke K Talukder, (2018). **Formal Methods, Artificial Intelligence, Big-Data Analytics, and Knowledge Engineering in Medical Care to Reduce Disease Burden and Health Disparities**. In: Mondal A., Gupta H., Srivastava J., Reddy P., Somayajulu D. (eds) Big Data Analytics. BDA 2018. Lecture Notes in Computer Science, vol 11297. Springer, Cham.
15. Asoke K Talukder, Manish Chaitanya, David Arnold, Kouichi Sakurai (2018). **Proof of Disease: A Blockchain Consensus Protocol for Accurate Medical Decisions and Reducing the Disease Burden**, Accepted for presentation 2018 IEEE SmartWorld Congress, Gungzhou University, China, October 8-11, 2018.
16. Asoke K Talukder (2018). **Averting Crisis in Health Care Delivery through Knowledge Engineering and Artificial Intelligence**. Project Management Practitioners' Conference, 2018 (PMPC2018), Project Management Institute, Bangalore Chapter Annual Conference. July 12-14, 2018. http://www.pmibangalorechapter.in/pmpc/2018/pmpc-2018/papers/footprint_averting_crisis_in_healthcare_final.pdf
17. Mohamood Adhil, Mahima Agarwal, Kritika Ghosh, Manas Sule, Asoke K. Talukder (2018). **Gene Presence and Absence in Genomic Big Data for Precision Medicine**. Intelligent Computing and Information and Communication, Springer
18. Asoke K Talukder (2017). **Big Data Analytics Advances in Health Intelligence, Public Health, and Evidence-Based Precision Medicine**. In: Reddy P., Sureka A.,

Asoke K Talukder, PhD

- Chakravarthy S., Bhalla S. (eds) Big Data Analytics. BDA 2017. Lecture Notes in Computer Science, vol 10721. Springer, Cham
19. Asoke K. Talukder, Mahima Agarwal, Kenneth H. Buetow, Patrice P. Denèfle, **Tracking Cancer Genetic Evolution using OncoTrack**, Scientific Reports. 2016 Jul 14;6:29647
 20. Asoke K. Talukder, **Genomics 3.0: Big-Data in Precision Medicine**, Big Data Analytics, LNCS9498, Springer, 2015
 21. Mohamood Adhil, Santhosh Gandham, Asoke K. Talukder, Mahima Agarwal, and Prahalad Achutharao, **CuraEx - Clinical Expert System Using Big-Data for Precision Medicine**, Big Data Analytics, LNCS9498, Springer, 2015
 22. Mahima Agarwal, Mohamood Adhil, and Asoke K. Talukder, **Multi-omics Multi-scale Big Data Analytics for Cancer Genomics**, Big Data Analytics, LNCS9498, Springer, 2015
 23. Veeresh Patel, Trishansh Bhardwaj, Mohammad Adhil, Asoke K. Talukder, **Big-data Analytics of Genomic and Clinical data for Diagnosis and Prognosis of Cancer**, IEEE INDIACOM-2015
 24. Asoke K Talukder, Ravishankar S, Sasmal K, Gandham S, Prabhukumar J, Achutharao PH, Debmalya Barh, Francesco Blasi. **XomAnnotate: Analysis of Heterogeneous and Complex Exome- A Step towards Translational Medicine**. PLoS ONE 10(4): e0123569, 2015
 25. Marieta Caganova, Chiara Carrisi, Federica Mainoldi, Federica Zanardi, Pierre-Luc Germain, Laura George, Federica Alberghini, Luca Ferrarini, Asoke K Talukder, Maurilio Ponzoni, Giuseppe Testa, Takuya Nojima, Claudio Doglioni, Daisuke Kitamura, Kai-M. Toellner, I-hsin Su and Stefano Casola, **Ezh2 protects germinal center B cells from AID-induced genotoxic damage and terminal differentiation to promote high-affinity antibody responses**, Journal of Clinical Investigation, Vol 123, December 2013
 26. Vasudevan Ayyappan, Erin L Crowgey, Shawn W Polson, Muthusamy Manoharan, Tomasz Smolinski, Jyothi Thimmapuram, Asoke K Talukder, Sumana Srivatsa, Krittika Sasmal, Prahalad Achutharao, Zhanji Liu and Venu (Kal) Kalavacharla, Chromatin Immunoprecipitation-Sequencing (ChIP-seq) to Understand the Genome-Wide Hierarchy of H3K9me2 and H4K12ac acquisition in Common Bean (*Phaseolus vulgaris* L.) and Mung Bean (*Vigna mungo* L.), (communicated)
 27. Vasudevan Ayyappan, Asoke Talukder, Krittika Sasmal, Sumana Srivatsa, Kalpalatha Melmaiee, Prahalad Achutharao, Bruce Kingham, Zhanji Liu, Venu Kalavacharla, Immunoprecipitation-Sequencing (ChIP-Seq) to Understand Genome-Wide Hierarchy of H4K12ac and H3K9me2 acquisition in Common Bean (*Phaseolus vulgaris* L.) and mung bean (*Vigna mungo* L.), PAGXXI, USA, 2013
 28. Achutharao Prahalad, Talukder Asoke, Karna Venu, GenomicsCloud: Next Generation Sequence Analysis Using High Performance Cloud Computing, HUGO Meeting, Dubai 2011
 29. Talukder Asoke, Achutharao Prahalad, Personalized and Holistic Medicine: Integration of Genetics and Informatics, HUGO Meeting, Dubai 2011
 30. Asoke K Talukder, Santhosh Gandham, Prahalad H. A and Nitai Pada Bhattacharyya, Cloud-MAQ: The Cloud-enabled Scalable Whole Genome Reference Assembly Application, Accepted for Presentation at Seventh International IEEE Conference on Wireless and Optical Communications Networks WOCN2010, Colombo, Sri Lanka, 6-8 September 2010
 31. Prahalad H.A, Asoke K Talukder, Shubhangi Pardeshi, Sameer Tamsekar, Hari Krishna R, Chandrashekar M.A, B. Niket, Santhosh Gandham, Phoenix: System for Implementing Private and Hybrid Cloud for OMIC Sciences Applications, IEEE

Asoke K Talukder, PhD

- Conference on Wireless and Optical Communications Networks WOCN2010, Colombo, Sri Lanka, 6-8 September 2010
32. Asoke K Talukder, Santhosh Babu G, Prahalad H. A, Vineet Kumar Maurya, Jangam Ebenezer, Muni Sekhar V, Alwyn Roshan Pais, Managing Functional & Nonfunctional Requirements for Collaborative Clouds, IEEE Workshop on Collaborative Security Technologies (CoSec 2009) co-located with 3rd International Conference on Internet Multimedia Systems Architecture and Applications (IMSAA, 2009), Bangalore
 33. Asoke K Talukder, Prahalad H.A, Security & Scalability Architecture for Next Generation Internet Services, IEEE Workshop on Emerging Internet Applications (WEIA09), co-located with 3rd International Conference on Internet Multimedia Systems Architecture and Applications (IMSAA, 2009), Bangalore 2009
 34. Asoke K. Talukder, D. Das, Mobile Web for Under-privileged in Developing Countries, Elsevier Telematics & Informatics Journal, Telemat. Informat.(2009), doi:10.1016/j.tele.2009.07.002
 35. Asoke K Talukder, Next Generation Internet – Security Issues, Accepted for presentation at the Indo-US Conference & Workshop on Cyber Security, Cyber Crime & Cyber Forensics (ICSCF-2009), August 19-21, 2009, Kochi, India
 36. Asoke K Talukder, Analyzing and Reducing the Attack Surface for a Cloud-ready Application, Accepted for presentation at the Indo-US Conference & Workshop on Cyber Security, Cyber Crime & Cyber Forensics (ICSCF-2009), August 19-21, 2009, Kochi, India
 37. Asoke K Talukder, Vineet Kumar Maurya, Santhosh Babu G, Jangam Ebenezer, Muni Sekhar V, Jevitha K P, Saurabh Samanta, Alwyn Roshan Pais, "Security-aware Software Development Life Cycle (SaSDLC) – Processes and Tools", accepted for presentation at IEEE WOCN 2009, April 28-30, Cairo
 38. Vineet Kumar Maurya, Santhosh Babu G, Jangam Ebenezer, Muni Sekhar V, Asoke K Talukder, Alwyn Roshan Pais, "Suraksha: A Security Designers' Workbench", Proceedings of Hack.IN 2009, March 17-19, IIT Kanpur, pp59-66
 39. Asoke K Talukder, "Security Vulnerabilities in SMS based Applications Environment" tentatively accepted for publication in IEEE Security & Privacy
 40. Asoke K Talukder, "Mobile Number Portability: Making SMS Data Services Portable" Journal of Indian Institute of Science, Mar-Apr, 2006, pp 81-96
 41. Asoke K Talukder, "Clean & Tidy", IEE Communications Engineer, pp 38-41, August/September 2005
 42. Asoke K Talukder, Devashish Sharma, Vedula Bhaskar Rao, Rishi Pal, "Multifactor TLS Protocol for Holistic Security in Mobile Environment", Special Issue on 'Protocols for Resource, Link and Mobility Management for Wireless and Satellite Communication Networks', IETE Journal of Research, Vol. 52, Nos 2 &3, March-June 2006, pp 239-246.
 43. Asoke K Talukder, Debabrata Das, "Preventing Distributed Denial of Service Attack on SS7 Signaling Network through Artificial Hygiene" revised version submitted (IEEE Security & Privacy)
 44. Asoke K Talukder, Debabrata Das, "Ubiquitous SMS Routing and Independent Service Creation", revised version submitted (IEEE Transactions of Vehicular Technology)
 45. Asoke K Talukder, Debabrata Das, "Artificial Hygiene: Non-Proliferation of Virus in Cellular Network", Journal of Systems and Information Technology, Volume 8, 1st December 2004, pp 10-22
 46. Asoke K Talukder, Nagesh A. S, Nagu – An SD/MMC Card Virus on WindowsCE based Mobile Device, Communicated to Springer Wireless Personal Communication

Asoke K Talukder, PhD

47. Asoke K. Talukder and L M Patnaik, SMS-Data Interoperability and Information Bearer for the Under-privileged, Communicated to IEEE Communications magazine
48. Asoke K Talukder, "Web – "Greatest Equalizer" for the Developing World", accepted for presentation at MobEA V Mobile Web workshop, 16th International World Wide Web (WWW2007) Conference, 8-12th May 2007, Banff, Canada.
49. Asoke K Talukder, "Information Services and Access Mechanism of Mobile Web for the Under-privileged", accepted for presentation in the "W3C Workshop on the Mobile Web in Developing Countries", December 5-6, Bangalore, India, http://www.w3.org/2006/07/MWI-EC/PC/MobileWeb_daimlerchrysler.pdf
50. Asoke K. Talukder, Siddhartha Chhabra, Sudarsan T.S., Debabrata Das, "Toll Collection through affordable SMS", proceedings of International Conference on Communications and Computing, IIT-Kanpur, India, 4-6 February, 2005, pp 270-277
51. Asoke K Talukder, Siddhartha Chhabra, Sudarsan T.S, Gowrishankar K.A, Debabrata Das, "Ubiquitous Rescue Operation at Affordable Cost through Location-Aware SMS", Proceedings of National Conference on Communication, IIT-Kharagpur, 28-30 January 2005, pp 651-655
52. Asoke K. Talukder, Vedula Bhaskar Rao, Vaibhav Kapoor and Devashish Sharma, "Artificial Hygiene: A Critical Step Towards Safety from Email Virus", Proceedings of the IEEE INDICON 2004, December 20-22, 2004, IIT Kharagpur, pp 484-489.
53. Asoke K Talukder, Bijendra Singh, Debabrata Das, "Ubiquitous-Trustworthy-Secure Data Communication in Hybrid Cellular-Internet Networks", Proceedings of IEEE INDICON 2004, December 20-22, 2004, IIT Kharagpur, pp 135-138
54. Asoke K Talukder, Brijendra Singh, Choudur Lakshminarayan, "Network Safety Using Trustworthy Computing", accepted for presentation in the 2004 International Conference on Information and Knowledge Engineering IKE2004, USA
55. Asoke K. Talukder, Subramaniyan Krishnan, "Asynchronous Multi Factor Model (AMFM) of Security for Wireless MAN", Proceedings of IEEE Tencon2003; pp 656-660
56. Km Prachi, Hasan Ahmed, and Asoke K Talukder, Real-time detection and control of Distributed Denial of Service Attack, National Conference in Computer Network Security, Lucknow, October 2007
57. Vaishnavi Subramanian, Asoke Talukder, "Virus in Mobile Phones", accepted for presentation in International Conference on Embedded Systems, Mobile Communication and Computing (ICEMC2), August, 2007, Bangalore India.
58. Krishna Prasad N, Asoke Talukder, "Performance of Forward Secure Signature Schemes", accepted for presentation in International Conference on Embedded Systems, Mobile Communication and Computing (ICEMC2), August, 2007, Bangalore India.
59. Pradeep R, Asoke Talukder, "Security Protocols and Threats in Ad-hoc and Sensor Networks", accepted for presentation in International Conference on Embedded Systems, Mobile Communication and Computing (ICEMC2), August, 2007, Bangalore India.
60. Saurabh N Bhutyani, Asoke K Talukder, Latent Semantic Analysis Based Email Spam Filter, Accepted for presentation in AACC International Conference 2006, Kathmandu
61. Vinod C Joseph, Asoke K Talukder, "Verifiable AKA for Beyond 3G Wireless Packet Services", accepted for presentation in the Third International Conference on Wireless and Optical Communications Networks (WOCN2006), April 2006
62. Poonam Zham, Asoke Talukder, Designing Distributed Application with Mobile Code Paradigms And Method to Improve Performance of Mobile Agent Paradigm,

Asoke K Talukder, PhD

- Acceptor for Presentation at the National Conference on Engineering Trends in Electronics 2006, 28th & 29th December, 2006, Pune, India
63. Bhagi Sri Karthik, Manish Jaiswal, Vasant Menon, Vidhya Kannan, Shobha Venkobarao, Madan Pande, Asoke K Talukder, Debabrata Das, "Seamless Network Management in Presence of Heterogeneous Management Protocols for Next Generation Networks", Accepted for presentation in Conference on Information technology, Dec 18-21, Bhubaneswar, India, 2006.
 64. Saugat Mitra, Ayush Sharma, Madan pande, Asoke K Talukder, Debabrata Das, "Improving Presence and Reducing Missed Call in VoIP Networks through Mobile Paging", accepted for presentation at International Conference on Computer & Information Science
 65. Vivek Khariwal, Ramesh Venkatram, Roland Haas, and Asoke K Talukder, "Security Challenges in Automotive System from Convergence with IT", Accepted for presentation SAEINDIA International Mobility Engineering Congress and Exposition, Chennai, October 2005
 66. Sunsun C Jose, Asoke K Talukder, "Filtering of Undesirable Content in a Distributed Environment over the Internet", Proceedings of the Asia Pacific Conference on Parallel and Distributed Computing Technologies (ObComAPC2004), 13-15 December 2004, VIT, Vellore, India, pp 1085-1101, Allied Publishers, ISBN 81-7764-714-8
 67. Jesudoss Venkatraman, Vijay Raghavan, Debabrata Das, and Asoke K Talukder, "Trust and Security Realization for Mobile Users in GSM Cellular Networks", Proceedings of Asian Applied Computer Conference, Kathmandu October 29-31, 2004; LNCS 3285 pp-302-309
 68. S. Naudiyal, S. Garg, A. Talukder, and D. Das, "Implementation of Multicasting Over an Access Network by Next Generation Internet Protocol", Proceeding of National Conference on Communications, IISc, Bangalore, January 2004, pp. 504-507
 69. Ashish Tara, Debmalya De, N. J. Damodaran, and Asoke K. Talukder, "Information Assurance and Security needs in an ASP/MVNO Environment for Pervasive Content through SMS/GSM", Proceedings of the International Conference on Communication and Broadband Networks (ICBN2003), May 5-7, 2003, Bangalore, India
 70. Vivek Dosi, Kanwaljit Singh, Sandeep Naudiyal, Abhishek Singhal, Debabrata Das, Asoke Talukder, "Internet Protocol: Prospects and Challenges for 21st century", Proceedings of the Information Technology: Prospects and Challenges in the 21st century An International Conference (ITPC2003); May 23-26, 2003, Kathmandu, Nepal
 71. Rishi Pal, Asoke K Talukder, "Global Service Portability and Virtual Home Environment through Short Message Service (SMS) and GSM", Proceedings of the 15th International Conference in Computer Communication (ICCC2002), pp 8-18, 12-14 August 2002, Mumbai, India
 72. Kurian John, Asoke K Talukder, "Ubiquity and Virtual Home Environment for Legacy Applications and Services", Proceedings of the 15th International Conference in Computer Communication, pp 371-381, 12-14 August 2002, Mumbai, India
 73. Debmalya De, Asoke K Talukder, "Missed Call Information in Virtual Home Environment for GSM subscribers in Developing Countries", accepted for presentation in IEEE International Conference on IT and applications (ICITA2002), 25-29 November 2002, Australia
 74. Roopa Yavagal, Asoke K Talukder, "Software Protocol for Micro-payments over Cellular Networks", Proceedings of the Global Business Development Institute (GBDI) Conference. Bangalore (India), January 2001

Asoke K Talukder, PhD

75. Alam Som. Asoke K Talukder, Tuhin Das, Asoke Nath, "On the method of Representative patterns using Binary Distance matrix", IEEE Transaction of Systems Man and Cybernetics, pp. 524-529, Vol. 10, No 8, August 1980
76. "Use of Signal Processing Techniques in EEG signal analysis for the detection, location and character of disorder in cerebral circulations" – presented at All India Conference on Electronics in Space, Calcutta, December 1976
77. "Adaptive Control by matching the control law to the control situation using Pattern Recognition techniques" – presented at All India Conference in Electronics in Space, Calcutta, 1976
78. "Towards Computerized ECG", presented at All India Interdisciplinary Symposium on Digital Techniques and pattern Recognition, February, 1977
79. "Use of Blind Deconvolution for the restoration of biological signals", proceeding of All India Symposium on Biomedical Engineering, Hyderabad, 1978
80. "Use of Similarity measures for selecting the Optimum Classification Rule in a multiclass situation", proceeding of 5th National Systems Conference, 1978, pp 20-25

Invited Speaker at Various Forums (Genomics/Big Data/AI/IoT)

1. Keynote Speaker at 9th International Conference on Big Data Analytics (BDA 2022) on "Bridging the Inferential Gaps in Healthcare Delivery". 15-18 December 2021, Indian Institute of Information Technology Alahabad, India.
2. Keynote Speaker at 11th International Conference on Advanced Computing, Communication, and Information Sciences (ICACCI-2021) on "AI in Post-COVID Health care". November 26-27 at Pukyong National University, Busan, South Korea.
3. Invited Speaker at the Digital Healthcare Technology for Haematologists at the 62nd Annual Conference of the Indian Society of Hematology & Blood Transfusion on "How Can Artificial Intelligence Counter the Medical Ecosystem Crisis" on 10th November 2021
4. Invited speaker at Neo4j Summit and Expo NODES 2021 on "Combating the Medical Climate Crisis with Neo4j Knowledge Graph of Infectious Diseases & Antibiotic Resistance and Medical AI" on 17th June 2021.
5. Invited webinar speaker at "Artificial Intelligence and 5G Communication technology" at "Poornima University", Jaipur, on "WoT and AIoT: Technologies for the Smart Connected World" on 27th April 2021
6. Chief Guest and invited webinar speaker at "IoT Simulation by Fog Computing and Edge computing Using Open-source Tools" at KITS College, Warangal, on "Internet of Things and Web of Things" on March 22, 2021
7. Invited as a webinar Speaker at "FDP on Entrepreneurship Development" at NITK Surathkal on "Promoting Innovative Ventures: Role of Technology Business Incubator (TBI)", February 19, 2021
8. Invited as a webinar Speaker at Rotary Club of India on "Medical Climate Crisis : Use and Misuse of Antibiotic", February 8, 2021
9. Invited as a Tutorial Speaker at BDA2020 on "Next Generation Web", December 15-18, 2020, Ashoka University, Sonapat, India
10. Invited Speaker at the Webinar by Symbiosis University scheduled on 22nd July 2020 on topic "Digital Transformation in Health Care"
11. Invited Speaker at the Webinar "Resurrecting The Emerging Contours Of Public Health In Anthropocene: The Urgency Of Digital Health Revolution" on 4th July 2020 on topic "Common Sense and Artificial Intelligence in Environmental Health"

Asoke K Talukder, PhD

12. Invited Speaker and Guest of Honour at National Workshop on Sensor Networks, Internet of Things (IoT), and Internet of Everything, Dr. Shyama Prasad Mukherjee International Institute of Information Technology, Naya Raipur, India, December 13-15, 2019, "Formal Methods and Knowledge Engineering in Health Care"
13. Invited Speaker at 7th NATIONAL CONFERENCE ON QUALITY IMPROVEMENT & PATIENT SAFETY, 30th August to 1st September, 2019 at Aditya Birla Memorial Hospital Pune, "Big data analytics improve patient safety Empty promise and temporary hype Divine solution"
14. Invited Speaker at National Conference on AI Innovations and IP Trends, IIT Jodhpur, "On Demand and Just-in-Time Universal Healthcare through IoT and Event Driven Conversational Computing with Formal Methods and Learning Healthcare System", March 11, 2019
15. Invited Speaker at Project Management Institute PMPC2018, Bangalore, "Averting Crisis in Health Care Delivery through Knowledge Engineering and Artificial Intelligence", 14 July 2018
16. Delivered an invited talk at PMI (Project Management Institute), "Project Management Challenges in Big Data Analytics", PM Footprint, PMI Bangalore, 18th January 2018
17. Delivered a CME at NRS Medical College and Hospital, "Reducing the Non-Communicable Disease (NCD) Burden", NRS Medical College & Hospital, Kolkata, 19th January 2018
18. Invited Speaker at Delhi University entitled "Opportunities for Data Science in Biomedicine, 27th December 2017
19. Delivered a CME talk at Northern Railways Central Hospital on "Reducing the NCD Disease Burden", 26th December 2017
20. Tutorial Speaker at BDA2017 on "Big Data Analytics Advances in Health Intelligence, Public Health, and Evidence-Based Precision Medicine", December 12, 2017 Hyderabad
21. Invited Speaker at a seminar at a seminar at NITK, Surathkal on "BDA-SDLC (Big Data Analytics Software Development Life Cycle), NITK Computer Science and Engineering Department, 3rd November 2017
22. Invited Speaker at ISHG2016, 41st Annual Conference of Indian Society of Human Genetics, talk titled "Genomics to Phenomics: The Complex Journey in Big Data Biomedicine", Sankara Nethralaya, Chennai. 3-5 March 2016
23. Speaker at Personalized Medicine World Congress (PMWC2016) on Cdx-Drug-Rx, talk titled "iOMICS Clinical & Omnia", Computer History Museum, Mountain View, USA, 25-27 January 2016
24. Part of a Panel discussion on "**All About Genes**" at TV9 6:00 PM news on 8th January 2016
25. Invited speaker at International Conference on Big Data Analytics, Hyderabad 16-18 December 2015, talk title "Genomics 3.0: Big Data in Precision Medicine"
26. Invited speaker at Global Cancer Summit, Bangalore 18-20 November 2015, title of talk "Blood Biopsy – A Mechanistic Model of Field Cancerization", Story covered by Times of India, <http://timesofindia.indiatimes.com/city/bengaluru/Soon-blood-test-can-be-used-to-detect-cancer/articleshow/49840810.cms>
27. Invited speaker at Bio-IT World, talk title "Biomarker and Target Discovery Algorithms with Biomarker Management Platform", Boston, 21-23 April 2015
28. Offered a seminar titled "The Security Data Scientist", NITK Surathkal, 15-16 September 2014

Asoke K Talukder, PhD

29. Offered a seminar on "Biological Insights through Exploratory Data Analysis and Systems Biology" Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, 17 July 2014
30. Invited talk titled "Challenges and Issues in NGS Data Analysis for Translational Genomics" at Madras Medical Mission, Chennai, as part of Indo-German Workshop on NGS, 20 March 2014
31. Invited talk titled "From Data to Biology Insight" at Calcutta Consortium of Human Genetics, NIBMG, Kalyani, on 15 March 2014
32. Offered a seminar on "Quantifying Biology through Exploratory Data Analysis and Systems Biology" at Bose Institute Kolkata on 5 December 2013.
33. Invited Speaker, offered a talk titled "Venture from Adventure" at Indo-American Chamber of Commerce meet "Funding Bio-Innovation", Bangalore 5 July 2013.
34. Invited Speaker, offering a talk titled "Building Safe, Secure, and Scalable Application", at MCIT, Government of India Sponsored Refresher Course on Database Security, NIT Warangal, 5-9 March 2012.
35. Invited Speaker, offering a talk titled "iOmics: Pipelines for Next-Gen Sequence Data Analysis using Cloud Computing" at Bangalore India Bio, Bangalore, 6-8 February, 2012
36. Invited Speaker, offering a talk titled "Confirmatory to Exploratory Data Analysis – Rejecting a Null-hypothesis versus Discovery of a hypothesis" at "Interdisciplinary Workshop on Role of Computational Biology in Advancing Modern Medicine", Saha Institute of Nuclear Physics, Kolkata, 2-3 February, 2012
37. Invited Speaker, offering a talk titled "Data Never Lies – Discovering the Truth in Biology" at "Interdisciplinary Workshop on Role of Computational Biology in Advancing Modern Medicine", Saha Institute of Nuclear Physics,, Kolkata, 2-3 February, 2012
38. Invited Speaker at "Conference on Informatics & Integrative Biology", Bose Institute, Kolkata, title of talk "Computational Genomics: Next-Gen Sequence Data Analysis using Cloud Computing", 14-16 December 2011
39. Invited Speaker at "Molecular Biology and Diversity Mapping of Microorganisms", North East Institute of Science & Technology (CSIR), Jorhat, title of talk "Next Generation Sequencing (Genomics, Transcriptomics, Epigenomics) – Opportunities & Challenges", 14 November 2011
40. Invited Speaker at "Molecular Biology and Diversity Mapping of Microorganisms", North East Institute of Science & Technology (CSIR), Jorhat, title of talk "iOmics: All Bioinformatics Pipelines Biologists Need in the Internet using Cloud Computing", 15 November 2011
41. Invited Speaker at "Molecular Biology and Diversity Mapping of Microorganisms", North East Institute of Science & Technology (CSIR), Jorhat, title of talk "Statistical Bioinformatics – Discovering the Biological Information", 15 November 2011
42. Invited Speaker at "Molecular Biology and Diversity Mapping of Microorganisms", North East Institute of Science & Technology (CSIR), Jorhat, title of talk "Metagenomics Data Analysis", 16 November 2011
43. Invited Speaker at "2nd International Conference on Stem Cells and Cancer (ICSCC-2011): Proliferation, Differentiation and Apoptosis", Pune, title of the talk "Biomarker Discovery for Cancer Prognosis", 15th – 18th October 2011
44. Invited Speaker at ISI, Kolkata, title of talk "Understanding Life through NGS Data", Indian Statistical Institute, Kolkata, 28 April 2011
45. Invited Speaker at "International Workshop on Computational Aspects of Working with Genomes", IMTECH, Chandigarh, title of the talk "Bioinformatics to Computational Biology – The Path Forward", 28-30 March 2011

Asoke K Talukder, PhD

46. Invited Speaker at 36th Annual Conference of Indian Society of Human Genetics (ISHG) and International Symposium on Genomics, Genetic Diseases and Diagnostics, title of the talk "Personalized & Holistic Medicine: Marriage between Genetics & Informatics", Manipal Life Sciences Centre, Manipal University, Manipal, 14-16 February, 2011
47. Invited Speaker, at Indian Institute of Chemical Biology (IICB), Kolkata, at "30th Annual Convention of Indian Association for Cancer Research & International Symposium on "Signalling Network and Cancer", title of talk "CNVMiner: Pipeline to Mine CNV & Structural Variation in Hierarchical Fashion", 6-9 February 2011
48. Invited Speaker at National Workshop on Microbial Diversity and Functions, NEHU, Shillong, title of talk "Computational Steps Involved in OMIC Sciences Data Analysis", 25-26 November 2011
49. Invited Speaker at National Workshop on Microbial Diversity and Functions, NEHU, Shillong, title of talk "Data Analysis for Metagenomics Studies", 25-26 November, 2011
50. Invited Speaker, at "Innovative Drug Development: New Concepts for Oncology and Infectious Diseases, 5th Hanseatic India Colloquium, Title of talk "Cloud Computing in the aid of Functional Genomics", Hamburg, Germany, 11-12 November 2010
51. Invited Speaker at ICRISAT, Hyderabad at "2nd National Workshop on Marker-Assisted Selection for Crop Improvement, ICRISAT, Patancheru, title of talk "Computational Challenges in NGS Data Analysis and the Way Forward", 28 October 2010
52. Invited Speaker at Saha Institute of Nuclear Physics, Kolkata, on "Computational Challenges in NGS Data Analysis" 27 September, 2010
53. Invited Speaker at "PES Institute of Medical Sciences and Research, Kuppam, title of talk "Proactive Medicine: Journey from Genomics to Clinical Genetics" at "Innovative Conference on Embedded Systems, Mobile Communication and Computing, 27 July 2010
54. Invited Speaker, at IHBT, Palampur, title of talk "A Statistical and Informatics Pipeline for Next Generation Sequence Data: Cloud Enabled Ref & De-novo Analysis" at "The Bioinformatics of Next Generation Sequencing", 17-18 June, 2010
55. Invited Speaker, offering a Tutorial titled "Computational Biology" at Advanced Computing & Communication Conference (ADCOM2009), IISc Bangalore, 17 December 2009

Blog Posts

1. 2G Digitized Health to 3G Digital Health. January 2022. https://www.linkedin.com/pulse/2g-digitized-health-3g-digital-dr-asoke-talukder?trk=articles_directory
2. AI Lessons from Ekalavya's Life. July 2021. https://www.linkedin.com/pulse/ai-lessons-from-ekalavyas-life-dr-asoke-talukder?trk=read_related_article-card_title
3. Democratization of Specialist Knowledge through Knowledge Graphs. June 2021. <https://www.linkedin.com/pulse/democratization-specialist-knowledge-through-graphs-dr-asoke-talukder>
4. The Next Avatar of Web Technology and the Opportunities Ahead. May 2020. <https://www.linkedin.com/pulse/next-avatar-web-technology-opportunities-ahead-asoke-talukder/?trackingId=wIAZEbS%2BKbSsC0nnZLgAOQ%3D%3D>

Asoke K Talukder, PhD

5. Autonomous Healthcare for Contactless Care and Doctorless Clinics. February 2020. <https://www.linkedin.com/pulse/autonomous-healthcare-doctorless-clinics-asoke-talukder-1d/?trackingId=UvJprrqWAXysLocbPlqAlw%3D%3D>
6. Blockchain Technology and Its Use in Health Informatics. June 2019. <https://www.linkedin.com/pulse/blockchain-technology-its-use-health-informatics-asoke-talukder-1d/?trackingId=oSlJ06iuDnkUnQJuZ0dOLg%3D%3D>
7. The Origin of Adult Diseases. January 2019. <https://www.linkedin.com/pulse/origin-adult-diseases-asoke-talukder-1e/?trackingId=24IJtI9IJ0GVZU%2FBUC LAPQ%3D%3D>
8. Changing Gear: From Doctor Centric Healthcare to Patient Centric Healthcare. November 2018. <https://www.linkedin.com/pulse/changing-gear-from-doctor-centric-healthcare-patient-asoke-talukder/?trackingId=%2FGAJS7oPB8%2FfmBtcREtj4w%3D%3D>
9. The Next Generation Health Care System. June 2018. <https://www.linkedin.com/pulse/next-generation-health-care-system-asoke-talukder/?trackingId=pXgXhayTqhxyXGnLVJp9HA%3D%3D>

Media Coverage (partial list)

1. PM Leadership Connect. Project Management Institute, Bangalore, India. <https://pmibangalorechapter.in/2019/09/10/pm-leadership-connect-august-2019/>
2. Evolving role of CSOs in changing times. BioSpectrum March 2017
3. Soon, blood test can be used to detect cancer. Times of India, Nov 19, 2015. <https://timesofindia.indiatimes.com/city/bengaluru/Soon-blood-test-can-be-used-to-detect-cancer/articleshow/49840810.cms>
4. DAY 1, @Global Cancer Summit- 2015, J.N.Tata Auditorium Indian Institute of Sciences Bengaluru, India. <https://www.youtube.com/watch?v=WPQboJ3ZqcA>
5. Big Data startup InterpretOmics raises \$1.6 million in angel funding. REUTERS. <https://www.reuters.com/article/big-data-startup-interpretomics-raises-1-idINDEE97D07X20130814>
6. How interpretOmics software helps structure genomics, biomedical data. The Economic Times. 2013. <https://economictimes.indiatimes.com/small-biz/startups/how-interpretomics-software-helps-structure-genomics-biomedical-data/articleshow/21991733.cms?from=mdr>
7. Genetic Miners. BusinessWorld 2014. <http://www.businessworld.in/article/Genetic-Miners/08-11-2014-76451/>
8. Bioinformatics gears up for 2013. BioSpectrum 2013. <https://www.biospectrumindia.com/views/75/2975/bioinformatics-gears-up-for-2013-.html>
9. InterpretOmics to raise Series A funding in Sept. BioSpectrum. <https://biospectrumindia.com/news/74/3861/interpretomics-to-raise-series-a-funding-in-sept.html>
10. Live demo of Cellnext's p-Business Gateway at ICT 2002. BusinesswireIndia 2002. <https://www.businesswireindia.com/live-demo-of-cellnext%27s-p-business-gateway-at-ict-2002-490.html>