

# KC's Research Talks

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*Important note:* The following list are limited to invited talks, keynote addresses, and distinguished lectures at international conferences/symposia and universities. Regular conference presentations are not considered.

- 43) AI for COVID-19: The Largest Project in the Universe, 6th International Conference on Emerging Applications of Information Technology (EAIT) (Feb. 25-27, 2021)

### Completed list

- 42) COVID19 prediction and decision-making: a journey of pulmonary abnormality findings, AICTE sponsored (national) training program, India (Dec. 07, 2020)
- 41) #HealthcareAI: AI is not just for Screening, how about diagnosis? Machine Intelligence Research Labs, USA (Aug 14, 2020)
- 40) AI-Driven Tools for Healthcare (COVID-19, special case), The 6th International Conference on Machine Vision and Machine Learning (MVML), Prague, Czech Republic (Aug 13, 2020)
- 39) COVID-19 Reveals the Limits of AI-Driven Tools, Artificial Intelligence for COVID-19 Forum, (April 5, 2020)
- 38) Challenges in Healthcare: AI Tools from Speech Processing to CT Scans, Mahatma Gandhi Mission's (MGM) Institute for Health Sciences, Mumbai, India (Jan 13, 2020)
- 37) Not AI but Close-To-Expert Intelligence (CEI), 5th International Conference on Computing in Engineering and Technology (ICCET), MGM's College of CS and IT, Nanded, India (Jan 11, 2020)
- 36) Workshop on Face re-identification, verification, and recognition: handcrafted features to deep features, 5th International Conference on Computing in Engineering and Technology (ICCET), MGM's College of CS and IT, Nanded, India (Jan 9, 2020)
- 35) Lung Abnormality Detection: Diagnostic or Screening Tests?, Indian Statistical Institute (ISI), Kolkata, India (Jan 08, 2020)
- 34) Can AI and Machine Learning Scientists Ignore Healthcare Experts: Procedural or Non-procedural Solution?, International Seminar on Trends in AI and Machine Learning Research? Aliah University, Kolkata, India (Jan 07, 2020)
- 33) Smart healthcare: How can we get it?, West Bengal University of Technology, West Bengal - Kolkata, India (Jan 06, 2020)
- 32) Machine Vision and Medical Imaging, 3rd Biennial International Conference on Recent Trends in Image Processing and Pattern Recognition, Dr. BAMU, Maharashtra, India (Jan 4, 2020)
- 31) AI tools for Document Processing, 2nd International Workshop on Pattern Analysis and Machine Intelligence, Dr. BAMU, Maharashtra, India (Jan 2, 2020)
- 30) Data Science, AI, and Machine Learning for Healthcare: Challenges in Developing Countries, Pokhara University, Nepal (Dec 22, 2019)
- 29) Smart Healthcare: What Else We Can Do as Computer Scientists?, University of Minnesota, Morris, MN (May 02, 2019)
- 28) Document Image Exploitation, International workshop on Pattern Analysis and Machine Intelligence (PAMI), Solapur, India (December 20, 2018)

- 27) AI in Healthcare: Do We Really Seek for Deep Learning?, Karnatak Arts, Science and Commerce College, Bidar, India (*December 19, 2018*)
- 26) Healthcare experts: AI hype; I rather expect Close-to-Expert Intelligence (CEI) tools?, BMS Institute of Technology, Bangalore, India (*December 18, 2018*)
- 25) AI, Machine Learning and Medical Experts: How Can They Tie?, Vignans University, Guntur, India (*December 17, 2018*)
- 24) Can AI help Medical Experts: Image Recognition and Machine Learning?, SVERI college of Engineering, India (*December 15, 2018*)
- 23) Pattern analysis & machine intelligence (PAMI): Medical Imaging, CSET, Minnesota State University (MNSU), Mankato, MN (*November 28, 2018*)
- 22) AI Tools in Healthcare: Can Machine Read Lung Diseases using Chest Radiographs?, IEEE Siouxland speaker section event, Brookings, SD (*November 16, 2018*)
- 21) AI in healthcare: Can deep features work as expected?, University of North Dakota, Fargo, ND (*November 02, 2018*)
- 20) AI in Infectious Disease Screening and Care, 3rd International Conference on Infection Control, Vancouver, Canada (*June 25, 2018*)
- 19) Frankenstein Inspires Discussions on AI, Intelligent Systems and Trends, Frankenstein 200! Symposium, The University of South Dakota, SD (*February 27, 2018*)
- 18) Artificial Intelligence & Machine Learning in Healthcare, SDSU Data Science Symposium, 2018, South Dakota State University, Brookings, SD (*February 12, 2018*)
- 17) Pattern Analysis and Machine Intelligence in Healthcare, International Conference on Image Processing & Pattern Recognition (RTIP2R), INDIA (*December 17, 2016*)
- 16) Automated Chest X-ray Screening to Detect Tuberculosis, Academic Alliance for Tuberculosis, University of Minnesota, Rochester, MN (*November 29, 2016*)
- 15) Machine Learning: Chest X-ray Screening for the Evidence of Pulmonary Abnormalities, 2nd World congress on Infectious Diseases, Philadelphia, PA (*August 26, 2016*)
- 14) Automated document image understanding, Department of Computer Science, The University of South Dakota, SD (*January 26, 2016*)
- 13) Automatic X-ray screening for Tuberculosis, Sanford school of medicine, The University of South Dakota, SD (*February 18, 2016*)
- 12) Automatic chest X-ray screening for rural areas, to detect pulmonary abnormalities, Dept. of Math. & Stats., South Dakota State University, SD (*October 19, 2015*)
- 11) Automatic Pulmonary Abnormality Screening using Thoracic Edge Map, US NLM fellowship series National Institutes of Health, MD (*June 15, 2015*)
- 10) Automatically Detecting Rotation in Chest X-ray for Quality Control, US NLM associate lecture series, National Institutes of Health, MD (*October 29, 2014*)
- 9) Spatial Relations and Shape Analysis for Document Information Content Exploitation, US NLM Brown-bag lecture series (Engineering Branch), National Institutes of Health, MD (*July 11, 2013*)
- 8) Graphics Recognition in the Real-world Industrial Problem, Department of Computer Science, Technische Universitat Dortmund, Germany (*December 14, 2013*)
- 7) Pattern Analysis and Recognition in Document Images, IEEE Computer Society - India Council, India (*November 03, 2012*)
- 6) No Worries – We Attempt for Nepalese Handwritten Character Recognition Engine, Nepal Academy of Sci. and Techno. (NAST), NEPAL (*September 25, 2012*)
- 5) Pattern Recognition and Retrieval Methods – Application to Document Images, SnT, University of Luxembourg, Luxembourg (*May 15, 2012*)
- 4) Pattern Recognition and Localization in Document Image, Institute for Vision and Graphics, Universitat Siegen, Siegen, Germany (*March 20, 2012*)
- 3) Graphics Recognition using Spatial Relations & Shape Analysis, LIPADE, Universite Paris Descartes (Paris V), Paris, France (*November 11, 2012*)
- 2) On-line Cursive Handwritten Character Recognition, LORIA Research Centre, Nancy, France (*November 27, 2008*)

- 1) On-line Writer Independent Nepali Handwritten Character Recognition, Asian Applied NLP for Linguistic Diversity & Lang. Resource Development NECTEC – SIIT, Thammasat University, Thailand (*March 03, 2008*)