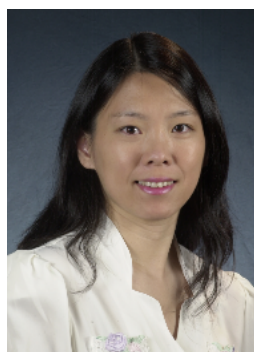


April 26, Wei Wang, Aztec: A Platform to Render Biomedical Software Findable, Accessible, Interoperable, and Reusable



SYNOPSIS:

BD2K Aztec is a global biomedical resource discovery index that allows users to simultaneously search a diverse array of tools. The resources indexed include web services, standalone software, publications, and large libraries composed of many interrelated functions. Aztec will ensure that software tools remain findable in the long term by issuing persistent DOIs and routinely updating metadata for the entire index. Aztec's established ontologies and robust API support the programmatic query of its entire database, as well as the construction of indexes for specialized subdomains. Aztec is currently in its alpha-release phase (version 1.1), in which it is being evaluated and tested by internal users at UCLA, as well as invited external users at Sage Bionetworks, TSRI, and EMBL-EBI. Their feedback and comments have been documented and incorporated into Aztec's next release.

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[Session details...](#)

BIO:

Wei Wang is the Leonard Kleinrock Chair Professor in Computer Science at University of California, Los Angeles and the director of the Scalable Analytics Institute (ScAi). She received her Ph.D. in Computer Science from the University of California, Los Angeles in 1999. She was a professor in Computer Science at the University of North Carolina (UNC) at Chapel Hill from 2002 to 2012, and was a research staff member at the IBM Thomas J. Watson Research Center between 1999 and 2002. Dr. Wang's research interests include big data analytics, data mining, bioinformatics and computational biology, and databases. She has filed seven patents, and has published one monograph and more than one hundred seventy research papers in international journals and major peer-reviewed conference proceedings.

Dr. Wang received the *IBM Invention Achievement Awards* in 2000 and 2001. She was the recipient of an *NSF Faculty Early Career Development (CAREER) Award* in 2005. She was named a *Microsoft Research New Faculty Fellow* in 2005. She was honored with the *2007 Phillip and Ruth Hettelman Prize for Artistic and Scholarly Achievement* at UNC. She was recognized with an *IEEE ICDM Outstanding Service Award* in 2012, an *Okawa Foundation Research Award* in 2013, and an *ACM SIGKDD Service Award* in 2016. Dr. Wang has been an associate editor of the *IEEE Transactions on Knowledge and Data Engineering*, *IEEE Transactions on Big Data*, *ACM Transactions on Knowledge Discovery in Data*, *Journal of Knowledge and Information Systems*, *Data Mining and Knowledge Discovery*, and *International Journal of Knowledge Discovery in Bioinformatics*. She serves on the organization and program committees of international conferences including ACM SIGMOD, ACM SIGKDD, ACM BCB, VLDB, ICDE, EDBT, ACM CIKM, IEEE ICDM, SIAM DM, SSDBM, RECOMB, BIBM. She was elected to the Board of Directors of the ACM Special Interest Group on Bioinformatics, Computational Biology, and Biomedical Informatics (SIGBio) in 2015.

SUMMARY:

Topic: Aztec: A Platform to Render Biomedical Software Findable, Accessible, Interoperable, and Reusable

Speaker: Wei Wang

Date: Wednesday, April 26, 2017

Time: 11 AM – 12 PM ET

You are invited to listen to Dr. Wang's presentation in the NCI Shady Grove Building on Medical Center Drive or via WebEx.

The National Cancer Institute (NCI) Center for Biomedical Informatics and Information Technology (CBIIT) Speaker Series presents talks from innovators in the research and informatics communities. The biweekly presentations allow thought leaders to share their work and discuss trends across a diverse set of domains and interests. The goals of the Speaker Series are: to share leading edge research; to inform the community of new tools, trends, and ideas; to inspire innovation; and to provide a forum from which new collaborations can begin. For additional information, including past speaker series presentations, visit the [CBIIT Speaker Series page](#).

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