CONFERENCES

WSDM (http://www.ws conference.org/ 2016/)

Feb 22 - 25 | San Francisco, CA



(http://www.wsdmconference.org/2016/)

Best Paper: Beyond ranking: Optimizing whole-page presentation . (http://www.yichangcs.com/yahoo/wsdm1 6_wholepage.pdf)

Portrait of an online shopper: **Understanding and** predicting consumer behavior (https://yahooresearc h.tumblr.com/) Yahoo Research

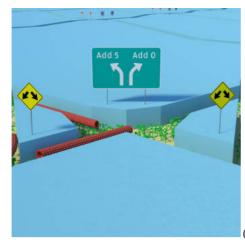
Eight years of WSDM: Increasing influence and diversifying heritage (http://cm.cecs.anu.e du.au/post/citation a nalysis/) Computational Media Lab

Exclusive: Microsoft opens up online infrastructure to the research community (https://blogs.msdn. microsoft.com/msr_e r/2016/02/23/micros oft-opens-up-onlineinfrastructure-to-theresearchcommunity/) Microsoft Research Blog

Proceedings (http://www.wsdmconference.org/2016/ proceedings.html) WSDM

Other Conferences

Google Science Fair 2016: #howcanwe



(https://cfaed.tu-

dresden de pressafeleases 201/worlds-first-parallel-computer-based-on-

FBP serior matches shows the risk of subpoenas to security researchers rid's first (http://www.wiredicolm/2016/02/fbis-tor-hackshows-risk-subpoenastaecurityedesearchers/)

Security researchers should consider whether they could be subpoenaed before gathering private data on subjects, even if they plan to keep that data unpublished or redact it in their public release. motors

• Why SEI is a federally funded lab/ortaed.tuCMU denies FBI paid for research (htt

dresden.de/press-THEORY AND MATHEMATICS | Scientific Computing | 4 hrs ago releases-201/worlds-

Researchers grow cyberforests to predict climate change based-on-biomolecular-

(http://www.scientificcomputing.com/news/2016/02 /researchers-grow-cyberforests-predict-climatechange) (http://www.pnas.org/conten

Mathematicians created the first computer simulation that grows realistic forests down

ARTIFICIAL INTELLIGENCE | The Stack | 4 hrs ago

Computers read 1.8 billion words of fiction to learn how to anticipate human behavior (https://thestack.com/cloud/2016/02/26/computers -read-1-8-billion-words-of-fiction-to-learn-how-toanticipate-human-behaviour/)

Stanford researchers used the descriptions of everyday human activities found in 600,000 online fiction stories to train their Augur system to predict what a user might do or want to do next.

· Facebook AI learns from kids' books

· Stories teach AI human values (htt

THEORY AND MATHEMATICS | Futurity | 4 hrs ago

Mathematicians write a formula to describe waves (http://www.futurity.org/mathematics-waves-1111412-2/)

The work explores modulational instability to determine what happens when a regular wave pattern has small imperfections at its origin – a question scientists have been trying to answer for the last 50 years.

Read the paper (http://journals.aps.o

Graph-theory breakthrough (http://w

ARTIFICIAL INTELLIGENCE | The Verge | 1 day ago

Uber is expanding its self-driving research operations in Pittsburgh (http://www.theverge.com/2016/2/24/11109972/ub er-self-driving-cars-pittsburgh-expansion-testroads)

Uber is opening a new Advanced Technologies Center in Pittsburgh, where its autonomous vehicle research operations are headquartered. The company plans to build temporary roadways for testing self-driving cars at the center.

Uber blog post (https://newsroom.ub
 Uber hires CMU robotics lab staff (htt

IMPORTANT DATES

Southwest Symposium on Image Analysis and Interpretation (/event/73f4c8f8-2004-4d32-86f9e70857b183f6/southwest-symposium-on-imageanalysis-and-interpretation)

Mar 6 - 8: Event (http://ssiai.org/)

International Conference of Computer Science an Engineering (/event/be1ee70c-f91c-40c1-9e67bed6edc1c812/international-conference-of-compo science-and-engineering)

Mar 6: Paper submission (http://www.iaeng.org

IEEE Winter Conference on Applications of Comp Vision (/event/50c071d7-1357-42f0-a665d6111311a204/ieee-winter-conference-on-applicat of-computer-vision)

Mar 7 - 9: Event (http://www.wacv16.org/)

ACM SIGMOD/PODS (/event/ebfe945b-abcb-45a c58435582b19/acm-sigmodpods)

Mar 7: SIGMOD revised second submission (ht

ACM International Workshop on Timing Issues in Specification and Synthesis of Digital Systems (/event/3d94b043-1f30-4506-a458-3baf38bd22fd international-workshop-on-timing-issues-in-thespecification-and-synthesis-of-digital-systems)

Mar 10 - 11: Event (http://www.tauworkshop.c

International Conference on Future Internet of Th and Cloud (/event/4e457ec0-94d8-4a3e-a782ca222e01d9a0/international-conference-on-future internet-of-things-and-cloud)

Mar 10: Paper submission (http://www.ficloud.

ACM SIGSOFT International Symposium on the Foundations of Software Engineering (/event/c76 4ee4-466c-8b29-00baea143b15/acm-sigsoftinternational-symposium-on-the-foundations-ofsoftware-engineering)

mar 11: Paper submission (http://www.cs.ucda

IEEE Conference on Connected Health: Application Systems and Engineering Technologies (/event/ac9769f3-2fa6-4464-b7fa-0f4e12fa1761/ie conference-on-connected-health-applications-sys and-engineering-technologies)

Mar 11: Demo and poster paper submission (h

IEEE Symposium on Visual Languages and Human Centric Computing (/event/9ca6f37b-86cc-4bd7ccd41a127abd/ieee-symposium-on-visual-languag and-human-centric-computing)

Mar 11: Abstract submission (https://sites.goo

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NEWSWIRE

SUN fosters international dialogue among $t \epsilon$ researchers, professionals and young scientithe field of Nanotechnologies

(http://www.nanowerk.com/nanotechnology news/newsid=42708.php)

4 hrs ago | Nanowerk Nanotechnology Research Ne

Preventing protein unfolding with polymers (http://www.nanowerk.com/nanotechnology news/newsid=42707.php)

5 hrs ago | Nanowerk Nanotechnology Research Ne

Graphene 'moth eyes' to power future smart technologies

(http://www.nanowerk.com/nanotechnology news/newsid=42706.php)

6 hrs ago | Nanowerk Nanotechnology Research Ne

Video Friday: Support Group for Bots Russia

make things better with science? (http://googleresearc h.blogspot.com/) Google Research Blog

NDSS: Georgia Tech discovers how mobile ads leak personal data (http://www.news.gat ech.edu/2016/02/22/ georgia-techdiscovers-howmobile-ads-leakpersonal-data) . Georgia Tech

AAAI: AI video winners announced (http://www.iprogrammer.info/ne ws/105-artificialintelligence/9462-aivideo-winnersannounced.html) I Programmei

CCC at AAAS 2016 Summary (http://www.cccblog. org/2016/02/17/cccat-aaas-2016summary/? utm_source=feedblitz &utm medium=Feed BlitzRss&utm_campai gn=cccblog) The CCC Blog

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ARTIFICIAL INTELLIGENCE | IEEE Spectrum | 1 day ago

The next generation of the Atlas robot unleashed (http://spectrum.ieee.org/automaton/robotics/hum anoids/next-generation-of-boston-dynamics-atlasrobot)

Boston Dynamics shows off its latest robotic advances as Atlas goes for a walk, delivers a 10 pound box, and proves he's no pushover if pushed to the ground.

· Watch the video (https://youtu.be/rV

🖒 INFORMATION SYSTEMS | Dataversity | 1 day ago

The evolution of Python for data science (http://www.dataversity.net/the-evolution-ofpython-for-data-science/)

Using data sets downloaded from Russell Investments, a data scientist analyzes stock portfolio performance with the Anaconda Python distribution.

- Anaconda Python distribution (http
- · NumPy scientific computing package
- · Pandas data analysis library (http://p

APPLIED COMPUTING | University of Aberdeen | 1 day ago

It might catch on — first mathematical model to explain how things go viral (http://www.abdn.ac.uk/news/8744/)

University of Aberdeen scientists have come up with the first ever mathematical model to explain explosive contagion in social networks. The new understanding provided by the study could have implications in real social scenarios.

· Read the paper (http://www.nature.c

ARTIFICIAL INTELLIGENCE | Google Research Blog | 1 day ago

On the personalities of dead authors (http://googleresearch.blogspot.com/2016/02/onpersonalities-of-dead-authors.html)

The Natural Language Understanding research group tackles the challenge of getting a computer to interpret the meaning of natural language by building a system that uses the works of a thousand authors found on Project Gutenberg.

- Natural Language Processing (http://
- · Project Gutenberg (https://www.gute

ARTIFICIAL INTELLIGENCE | KDnuggets | 1 day ago

Top 10 machine learning projects on Github Microsoft Research (http://research.@irttps://www.kdnuggets.com/2015/12/top-10-About us () Feedback (https://researchnewmrachine-Pearnings githubichthi) /fwlink/?LinkId=521839)

Terms of use (http://go.microsoft.com/fwlink//Linkld=206977). Trademarks (http://go.microsoft.com/fwlink//Linkld=506942). New letter () KDnuggets explains the top 10 machine learning projects on Github, the de facto clearinghouse for open source software. The leading projects include a number of libraries, frameworks, and education resources.

- Python tool snag top spot (https://git
 Close 2nd: Awesome Machine Learnin
- 3rd: Apache's Prediction IO (https://g
- · 4th: Dive into Machine Learning (http

COMPUTER SCIENCE | MIT Technology Review | 1 day ago

10 breakthrough technologies 2016 (https://www.technologyreview.com/lists/technolog ies/2016/)

MIT Tech Review's picks for the emerging technologies that have a chance at solving big problems and opening up new opportunities.

- Robots that teach each other (https://
- DNA app store (https://www.technol
- · Conversational interfaces (https://ww

GRAPHICS AND MULTIMEDIA | TechCrunch | 1 day ago

Barriers to augmented reality are holding us back from the holodeck (http://techcrunch.com/2016/02/25/barriers-to-

augmented-reality-are-holding-us-back-from-theholodeck/) Seven scientists from universities with leading research programs in virtual and

augmented reality discuss the technical and ethical challenges in realizing the augmented reality opportunity.

Read the paper (http://arxiv.org/pdf/
 Exploring Future Reality (http://ww

COMPUTER SCIENCE | HPCWire | 1 day ago

Mapping out a new role for cognitive computing in science (http://www.hpcwire.com/2016/02/25/25170/)

A Computing Community Consortium white paper delves into the computational tools

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Big-Data Visualization Experts Make Using S Plots Easier for Today's Researchers (http://engineering.nyu.edu/news/2016/02/1 data-visualization-experts-make-using-scatt plots-easier-todays-researchers) 1 day ago | ACM TechNews

The Incredible Things Google's New Robot ((https://www.washingtonpost.com/news/inr roboticists-are-raving-about-googles-new-r 1 day ago | ACM TechNews

This Is What Broadband Satellite Communication Looked Like in 1965

(http://spectrum.ieee.org/geek-life/history/1 what-broadband-satellite-communication-lc like-in-1965)

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Google Unveils Neural Network with 'Superhuman' Ability to Determine the Local Almost Any Image

(http://cacm.acm.org/news/198920-googleunveils-neural-network-with-superhuman-a to-determine-the-location-of-almost-any-in 1 day ago | Communications of the ACM: News

Mapping Out a New Role for Cognitive Computing in Science

(http://www.hpcwire.com/2016/02/25/25170 1 day ago | ACM TechNews

Demirel receives proof-of-concept grant (http://www.eurekalert.org/pub_releases/20 02/ps-dr022616.php)

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A New Algorithm From MIT Could Protect SI From 'Rogue Waves' at Sea (http://www.computerworld.com/article/303 analytics/a-new-algorithm-from-mit-couldprotect-ships-from-roque-waves-at-sea.htm

Google Wants Less Reliable Hard Disks (http://www.informationweek.com/cloud/clo storage/google-wants-less-reliable-harddisks/d/d-id/1324447)

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Chameleon Adapts to Secure the Cloud (http://sciencenode.org/feature/chameleonadapts-to-secure-the-cloud.php? platform=hootsuite)

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An Electric Car Battery That Will Get You Fro Paris to Brussels and Back

(http://spectrum.ieee.org/transportation/ad cars/an-electric-car-battery-that-will-get-yo from-paris-to-brussels-and-back)

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IBM Watson Machine Learns the Art of Writi **Good Headline**

(http://www.techrepublic.com/article/ibmwatson-machine-learns-the-art-of-writing-a good-headline/)

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'Black Girls Code' Aims to Reboot Diversity i (http://www.cnbc.com/2016/02/19/black-gir code-aims-to-reboot-diversity-in-tech.html) 1 day ago | ACM TechNews

and research focus needed to speed the scientific community's ability to turn big data into meaningful scientific insight and activity.

• Read the paper (http://cra.org/ccc/w

Shaping cognitive computing (http://

COMPUTER SYSTEMS | Scientific Computing | 1 day ago

Automatic programming makes swarm robots safer, more reliable

(http://www.scientificcomputing.com/news/2016/02 /automatic-programming-makes-swarm-robotssafer-more-reliable)

Sheffield Robotics researchers used a graphical tool to define tasks for the robots. A machine then translated the information and programmed up to 600 robots to make decisions independently and complete the tasks.

Read the paper (http://link.springer.c
 'Octo-bot' could power drone swarms

ARTIFICIAL INTELLIGENCE | Emerging Technology from the arXiv | 1 day ago

Google unveils neural network with ability to determine the location of almost any image (https://www.technologyreview.com/s/600889/goo gle-unveils-neural-network-with-superhumanability-to-determine-the-location-of-almost/)

Researchers created a database of geolocated images, using location data to determine where each was taken. Then they used millions of images to teach a neural network to determine the location using only the image itself.

Read the paper (http://arxiv.org/abs/

Play GeoGuessr (https://www.geogue

Yahoo Releases CaffeOnSpark Deep Learning Software to Open Source Community (http://www.zdnet.com/article/vahoo-releas caffeonspark-deep-learning-software-to-opsource-community/)

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5G Coming Sooner, Not Later (http://spectrum.ieee.org/techtalk/telecom/wireless/5g-coming-sooner-nc later)

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Why Tech Degrees Are Not Putting More Bla and Hispanics Into Tech Jobs (http://www.nytimes.com/2016/02/26/upshc blame-recruiting-pipeline-for-lack-of-divers tech.html)

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Pioneering Stanford Computer Researcher a **Educator Edward McCluskey Dies** (http://news.stanford.edu/news/2016/februa mccluskey-obit-022516.html)

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Apple Encryption Stand Highlights Mobile Operators' Dilemma (http://cacm.acm.org/news/198892-appleencryption-stand-highlights-mobile-operatc

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Tiltbrush: The Killer App for VR (http://spectrum.ieee.org/consumerelectronics/audiovideo/tiltbrush-the-killer-a for-vr)

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Four IEEE SIGHT Groups Help Rural and **Underserved Communities** (http://theinstitute.ieee.org/benefits/ieeegroups/four-ieee-sight-groups-help-rural-ar underserved-communities)

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The Secret History of America's Cyber War (http://cacm.acm.org/news/198885-the-secr history-of-americas-cyber-war)

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(http://www.eurekalert.org/pub_releases/20 02/eaps-sa-022616.php)

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Tackling the Future of Digital Trust—While I Exists (http://spectrum.ieee.org/view-from-t valley/telecom/security/tackling-the-futuredigital-trustwhile-it-still-exists)

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German scientists receive award for preventi security vulnerabilities in web browsers (http://www.eurekalert.org/pub_releases/20 02/su-gsr022616.php)

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Expeditions: Exploring the unknown (https://blogs.msdn.microsoft.com/msr_er/2 exploring-the-unknown)

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