



# CREATING THE **NEXT**

THE YEAR IN REVIEW  
2014 - 2015





After serving nearly a year as interim director, Oliver Brand becomes permanent director of the Institute for Electronics and Nanotechnology. Brand supervises approximately 60 staff members and oversees research facilities in two buildings.

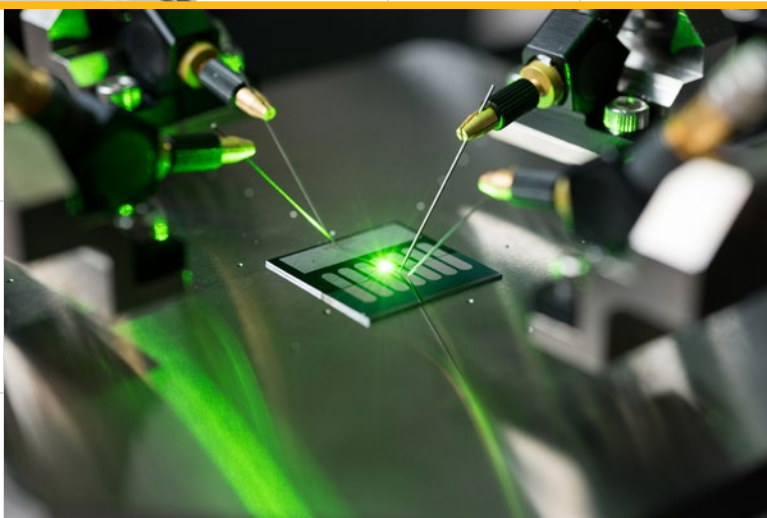
**Michelle Tullier is named executive director of the Center for Career Discovery and Development, which formed the previous year with the merger of Career Services and the Division of Professional Practice. Tullier brings 25 years of experience as a counselor, researcher, and faculty member.**

JULY



Georgia Tech is named an Innovation and Economic Prosperity University by the Association of Public and Land-grant Universities. The designation acknowledges Tech's work with public and private sector partners in the state and region to support economic development through innovation and entrepreneurship, technology transfer, workforce development, and community development.

A team of undergraduate and graduate students embarks on the EcoCAR3 competition, a four-year project to redesign a Chevrolet Camaro into a hybrid-electric car. The teams are tasked with developing and implementing an innovative vehicle powertrain that will lower emissions by incorporating alternative fuels.



Georgia Tech has a formidable presence at one of the largest independent book festivals in the country when several faculty members participate in the 2014 AJC Decatur Book Festival. Tech authors included faculty members John Cressler and Kristie Macrakis, Brittain Fellows Lauren Neefe and Caroline Young, and undergraduate students Jack Anninos, Brent Hornilla, and Ritika Ravichandra.

**The Academic Ranking of World Universities ranks Georgia Tech the No. 6 engineering university in the world. Tech also ranks No. 19 globally for computer science and No. 23 for chemistry.**



**Shatakshee Dhongde, assistant professor in the School of Economics, is named a research affiliate by the Institute of Research on Poverty, the nation's original poverty research center and one of three National Poverty Research Centers sponsored by the U.S. Department of Health and Human Services.**

Five Georgia Tech staff members attend the "Building Suicide Safer College and University Communities" conference to share best practices and discuss ideas on student suicide prevention. Attendees were from the Dean of Students Office, Counseling Center, and Georgia Tech Police Department.

Roberta Berry, associate professor in the School of Public Policy, becomes director of the Honors Program. Berry succeeds founding director Greg Nobles, who remains a professor in the School of History and Sociology.



**Georgia Gov. Nathan Deal visits campus to announce a proposal that state educators encourage high school students to take computer programming courses by allowing those classes to satisfy core high school diploma requirements. Under the governor's proposal, the programming classes could satisfy requirements for mathematics, science, or foreign language.**

The *Princeton Review* names Georgia Tech to its seventh annual Green Honor Roll. Tech was one of 24 colleges and universities receiving the highest possible score of 99.

AUGUST





## SEPTEMBER



Four Georgia Tech faculty members are recognized by the Board of Regents of the University System of Georgia for exceptional contributions in education and research. The honorees are: Mark Hay (Biology), Dimitri Mavris (Aerospace Engineering), Helena Mitchell (Public Policy), and Lora Weiss (Georgia Tech Research Institute).

After being crowned Miss Georgia in summer 2014, business administration major Maggie Bridges competes on a national stage for the Miss America title. At the Miss America competition, Bridges wears a unique pair of Ramblin' Wreck-themed shoes designed by a team of Tech students.

President Barack Obama reappoints President G.P. "Bud" Peterson to the National Science Board (NSB), the policymaking body of the National Science Foundation. The NSB also advises the president and Congress on science and engineering policy issues.

MARK HAY



HELENA MITCHELL



DIMITRI MAVRIS



LORA WEISS

The Scheller College of Business is ranked No. 8 in *Corporate Knights* magazine's Global 100 Sustainable MBA rankings for success at integrating sustainability into the school experience. *Corporate Knights* examined the top 100 MBA programs listed in the *Financial Times*' 2013 Global MBA rankings, determining which programs best prioritized sustainability.



The NCAA Committee on Infractions announces that it has accepted penalties and corrective measures proposed by Georgia Tech for recruiting violations in 2011 and 2012. The decision follows a two-year investigation by the Institute and the NCAA into impermissible telephone calls and text messages initiated by the football and men's and women's basketball programs to prospective student-athletes.

Georgia Tech is the recipient of a 2014 Higher Education Excellence in Diversity (HEED) award, a national honor recognizing U.S. colleges and universities that demonstrate an outstanding commitment to diversity and inclusion. The recognition comes from *INSIGHT Into Diversity* magazine, a diversity-focused publication in higher education.



General Motors (GM) issues a safety recall for more than 10,000 older Cadillac models, thanks in large part to concerns raised by Tech undergraduate co-op student Nick Sulimirski. GM CEO Mary Barra recognized Sulimirski for reporting a safety problem he found in his father's 2004 Cadillac.

**In its annual ranking of the nation's undergraduate programs, *U.S. News & World Report* ranks Georgia Tech No. 7 among public universities, marking the 16th consecutive year that Tech has ranked in the nation's top 10.**

## OCTOBER



Georgia Tech becomes a tobacco-free campus, in accordance with the Tobacco- and Smoke-Free Campus Policy passed by the Board of Regents the previous March. The goal of the policy is to protect and improve the health, comfort, and environment of students, employees, and any persons occupying University System of Georgia campuses.

Douglas C. Allen, longtime architecture faculty member and administrator, dies of brain cancer. During his 35-year career at Tech, he served as associate dean for academic affairs and interim dean of the College of Architecture.



*Business Insider* ranks Georgia Tech the No. 1 Smartest Public College in America. Following Tech in the top five were the University of California, Berkeley; College of William and Mary; U.S. Air Force Academy; and the University of Virginia.

OCTOBER

Robert McGrath, who had served as director of the Georgia Tech Research Institute (GTRI) for the past four years, announces that he will leave that post to take a more focused role within the Office of the Executive Vice President for Research, supporting large research opportunities that encompass GTRI, Tech's Interdisciplinary Research Institutes, and external partners.

**A national media roundtable hosted by Georgia Tech — “Technology and the Future of Online Higher Education” — examines the state of online learning in higher education and how technology will help shape its future. The event’s panelists are optimistic about a new student-centered approach to higher education and agree that massive open online courses (MOOCs) paved the way for that new path.**



The Faculty Senate approves a joint program with Emory University Law School that will allow students to earn both a bachelor's and a juris master's degree in as little as five years. The program is designed for students who decide early on that they want to follow a career path that will require expertise in law.



Parking and Transportation Services receives a grant from the Georgia Environmental Finance Authority for the purchase and installation of electric vehicle chargers. The grant funds enabled the installation of nine dual-port Level II chargers in locations near the Student Center, Howey Physics Building, and Bobby Dodd Stadium.



College of Architecture alumna Catie Newell, a faculty member at the University of Michigan, launches an exhibit of her work, *After Curfew*, in the First Center for the Arts' Stubbins Gallery. Newell's work captures spaces and material effects, focusing on the development of atmospheres through exploration of textures, volumes, and the effects of light.

Georgia Tech is awarded two U.S. Army War College Senior Service Fellowships. As a result, two active duty Army lieutenant colonels or colonels will spend an academic year at the Sam Nunn School of International Affairs starting in fall 2015.

Talks@Tech hosts Admiral Mike Rogers, commander of the U.S. Cyber Command and director of the National Security Agency/Central Security Service. Rogers briefly discusses the work of the NSA before fielding questions from students.

## NOVEMBER



In the annual *Design Intelligence* magazine rankings, the industrial design undergraduate program enters the list for the first time at No. 7 while the graduate program rises to No. 2. The architecture graduate program ranked No. 20.

A National Engineering Forum (NEF) event — led by Provost Rafael Bras — is held on the Tech campus, fostering a robust discussion of possible solutions to the challenges facing America's engineering enterprise. NEF brings together leaders concerned about the sustainability of the U.S. engineering field and its impact on the nation's security and prosperity.

**Students and professionals from across the country gather at Georgia Tech for an event focused on LGBTQIA issues in science, technology, engineering, and mathematics (STEM) fields. Approximately 300 students and 150 professionals from 48 states discuss general topics such as how to obtain federal research funding, as well as those specific to being queer-identified in academic and corporate settings.**

**The American Association for the Advancement of Science names three Tech faculty as fellows: Christopher Jones (Chemical and Biomolecular Engineering), David Sherrill (Chemistry and Biochemistry), and Howard Weiss (Mathematics).**

## DECEMBER

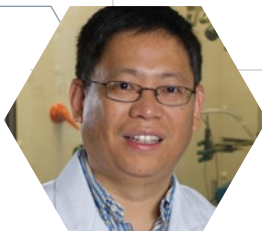
John Holdren, the top technology advisor to the White House, tours the Georgia Tech Manufacturing Institute. In addition to the tour, Holdren visits with students and has a roundtable discussion with several faculty members about innovation and technology in the classroom for STEM fields, and research initiatives that are priorities for the White House.



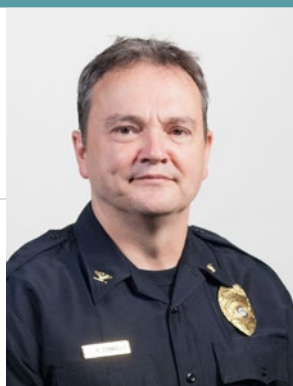
Tech Square is named an Outstanding Research Park by the Association of University Research Parks. The organization cites the collaborative efforts of Tech Square's core partners — Georgia Tech, Gateway Development Services, and the University Financing Foundation — as key to receiving the award.

YOUNAN  
XIA

The Office of Environmental Health and Safety presents its inaugural Lab Safety Excellence Award to Younan Xia (Chemistry and Biochemistry/Chemical and Biomolecular Engineering/Biomedical Engineering).



The Institute of Electrical and Electronics Engineers names four Tech faculty members as fellows: Aaron Bobick (Interactive Computing), Henrik Christensen (Interactive Computing), Ling Liu (Computer Science), and Spyros Reveliotis (Industrial and Systems Engineering).



Robert C. "Rob" Connolly is named chief of the Georgia Tech Police Department. Connolly joined the department in 2010 as deputy chief of police, and later served as both acting and interim chief.

The student group One Voice Atlanta organizes the 2015 National Human Trafficking Conference on campus. The conference gives Georgia college and high school students an opportunity to hear from leaders who are working to stop sex trafficking, providing support to victims, and educating those who are most vulnerable.

**Thanks to the efforts of 1,361 faculty, staff, and retirees, the Georgia Tech community raises \$365,579 to support the State Charitable Contributions Program — exceeding the campaign goal of \$330,000.**





The Georgia Tech Men's Glee Club surprises President Emeritus G. Wayne Clough with a performance at his retirement reception at the Smithsonian Institution. Several campus departments donated to fundraising efforts to fly the Glee Club to Washington, D.C., for the event.

The National Academy of Inventors names two engineering faculty members, Russell Dupuis and Mark Prausnitz, as fellows. The designation honors those who "have demonstrated a highly prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on quality of life, economic development, and the welfare of society."



Former NAACP Chair Julian Bond gives Tech's annual MLK Lecture. An eyewitness to several key moments of the Civil Rights Movement, Bond shares unique insight into the struggle of African-Americans for equality, the need for diversity in the shaping of laws, and the future of civil rights. The Tech community mourned Bond's death just seven months later.

# JANUARY

Georgia Tech's Global Center for Medical Innovation (GCMi) showcases best practices in iatric commercialization for visiting U.S. Department of Commerce officials. Launched in 2012, GCMi is the Southeast's first comprehensive medical device innovation center.

Jacqueline Royster is appointed to a second term as dean of the Ivan Allen College of Liberal Arts. Royster was commended for articulating the role of the liberal arts at Tech, defining the College's institutional role as "innovation at the crossroads of humanities, social science, and technology."



Georgia Tech alumna Kathy Pham is among 22 guests invited by the White House to attend the State of the Union address. Pham works for the Obama administration's new U.S. Digital Service, which aims to make the federal government more tech-savvy. Her duties include improving digital health care for veterans.

The Office of the Arts and the Poetry@Tech program kick off the Arts@Tech Salon Series with the great-grandson of Winston Churchill — Duncan Sandys — discussing the legendary British prime minister's passion for painting and the role it played in his life.

## JANUARY



The Georgia Tech Parents Program hosts its first-ever Sibs Day event. The program allows students to bring their brothers and sisters between the ages of 7 and 16 to campus to participate in activities designed to showcase various aspects of community and life at Tech.

After 11 years at Georgia Tech, Vice President for Student Affairs William Schafer leaves Atlanta to become vice president of student life at West Virginia University.

Alumnus James O'Brien, who earned a Ph.D. in computer science in 2000, receives an Academy Award for Technical Achievement in realistic animated destruction. The honor acknowledges O'Brien's influential research, which served as the foundation for tools that achieve realistic destruction effects in motion films.

A team that developed technology that could help monitor the condition of cats and dogs with diabetes wins Georgia Tech's 2015 Startup Competition. The winning team, Bioletics, evolved through Georgia Tech's Technological Innovation: Generating Economic Results (TI:GER) program, which pairs Tech MBA students with Emory law students who work together on commercializing Ph.D. students' scientific research.

## MARCH

***U.S. News & World Report* ranks the College of Engineering's graduate programs No. 6 nationally, and all 11 graduate programs within the College are ranked in the top 10.**





Georgia Tech earns three out of a possible four stars from the Professional Grounds Management Society (PGMS) Landscape Management and Operations Accreditation program. PGMS accreditation focuses on three categories: environmental stewardship, economic performance, and social responsibilities.

Undergraduate business administration major Caleb Espy sinks a half court shot in McCamish Pavilion to win free pizza for a year from Domino's.

## FEBRUARY

**The *Princeton Review* ranks Georgia Tech as a “Top College That Pays You Back.” The publication highlighted Tech’s return on investment, affordability, and career placement track record.**



For the second consecutive year, the Scheller College of Business hosts the semifinal round (for the Eastern U.S. Region) of the Global Social Venture Competition. The event provides aspiring entrepreneurs with mentoring, exposure, and \$50,000 in prizes to grow businesses that will make a positive real-world impact.

Tech admits the most competitive freshman class in Institute history. Freshmen for fall 2015 have an average SAT score of 1480 and have taken an average of nearly 10 college-level courses before high school graduation. The Institute admits 31 percent of freshman applicants, the lowest level in Tech history.



The first-ever Global Sports Showcase gives Tech students the opportunity to experience a variety of international sports. The SGA-sponsored event highlights the diversity of Tech's student body by having sports groups teach and demonstrate their sport to participating students.



# MARCH

**Production and camera crews are on campus during spring break to shoot a Warner Bros. film. Activity is concentrated in the areas of the Klaus Building, the Student Center, the Carbon Neutral Energy Solutions Laboratory, and the Food Processing Technology Building.**

Germany's Minister of Foreign Affairs, Frank-Walter Steinmeier (center) is accompanied by Georgia Tech-Lorraine President Yves Berthelot (left) on a campus visit that includes an overview of the H. Milton Stewart School of Industrial and Systems Engineering and a tour of the Callaway Manufacturing Research Center.



The Stamps Scholarship National Convention is held at Georgia Tech for the first time. Tech alumnus E. Roe Stamps and his wife, Penny, launched the Stamps Scholarship program in 2006. From its beginnings serving a handful of students at Georgia Tech and the University of Michigan, the program has grown to support 590 Stamps Scholars at 43 colleges and universities nationwide.

**Scott Marble, adjunct associate professor of architecture at Columbia University, is named chair of the School of Architecture, effective July 1. As both a practicing architect and an educator, Marble embraces the change of new and developing technologies.**





NEHA SINHA OF SMILE BRIGHT

Toothbrush technology that would empower people with intellectual and developmental disabilities to care for their teeth more effectively and independently wins the 2015 Ideas to Serve Competition. "Smile Bright" wins the Ideas Track first prize of \$5,000 for its toothbrush concept, which includes slanted sides of the brush head and long, angled bristles to clean the sides of teeth without the need for fine motor control.

**Provost Rafael Bras and Civil and Environmental Engineering Professor Barry Goodno are named distinguished members of the American Society of Civil Engineers. The honor is the highest bestowed by the organization.**

The Student Alumni Association gives \$36,000 to the Tech Counseling Center as its annual "Gift to Tech." The Counseling Center will use the gift for the continued implementation of recommendations issued in 2013 by the Mental Health Task Force, some of which include suicide prevention and education programming, expanding the new Burdell's Buddies peer counseling program, and supporting outreach and recovery programs.

Georgia Tech leaders participate in Summit of the Americas, a forum for convening leaders from North America, Central America, South America, and the Caribbean. The 2015 summit took place in Panama, where Tech alumnus Juan Carlos Varela was elected president in 2014. Georgia Tech also serves as an event organizer for the Summit of the Americas' first Forum of University Presidents, which convened 400 university leaders and other high-ranking officials from 35 countries, including U.S. Secretary of State John Kerry. The presidents discussed prosperity and university education, as well as cooperation challenges between countries.

APRIL



GEORGE NEMHAUSER

**Professor George Nemhauser receives the Class of 1934 Distinguished Professor Award, the highest faculty honor bestowed at Tech.**

MAY



Two prominent Tech alumni return to campus to give Commencement addresses. G. Wayne Clough, former secretary of the Smithsonian Institution and president emeritus of Georgia Tech, delivers the doctoral and master's ceremony speech. Gen. Philip M. Breedlove, commander of the Supreme Allied Command, Europe, gives the address for one of two bachelor's degree ceremonies.

**The University System of Georgia (USG) implements a systemwide campus safety initiative following a committee review and report of campus safety and security at the 30 USG institutions across the state. President G.P. “Bud” Peterson co-chaired the USG Campus Safety and Security Committee, which issued a report and recommendations leading to the new initiative.**



MAY

Georgia Tech hosts two roundtable discussions in Washington, D.C., on the challenges facing African-American men in the science, technology, engineering, and mathematics (STEM) fields. Participating in the roundtables were College of Engineering Dean Gary May; Civil and Environmental Engineering Chair Reginald DesRoches; and Cedric Stallworth, assistant dean in the College of Computing.

The Office of Institute Diversity (OID) announces an expansion of its team to provide more focused attention and increased oversight for staff diversity initiatives. The three-member Culture, Diversity, and Inclusion team from the Office of Human Resources joins OID to form the core of its new Staff Diversity, Inclusion, and Engagement (SDIE) team.

Georgia Tech and Sandia National Laboratories sign a five-year memorandum of understanding (MOU) establishing a strategic collaboration that seeks to solve science and technology problems of national importance. The MOU's principal goals are to solve major national problems; to engage talented researchers to work on practical, complex problems early in their academic careers; and to introduce new ideas and technologies into the marketplace through jointly developed intellectual property.

The Institute marks the 50th anniversary of the graduation of Ronald Yancey, the first African-American student to earn a degree from Georgia Tech. Yancey's career as an electrical engineer included work with the U.S. Department of Defense as well as the private sector.



**The National Academy of Inventors and the Intellectual Property Owners Association rank Georgia Tech No. 25 in the world among universities granted U.S. patents. Tech was granted a total of 78 patents in 2014.**

Three current and former Tech students join a gathering of national science, business, and academic leaders sponsored by the Council on Competitiveness. The three — Jasmine Burton, Rachel Ford, and Partha Unnava — developed their entrepreneurial skills and launched startups while enrolled at Tech.

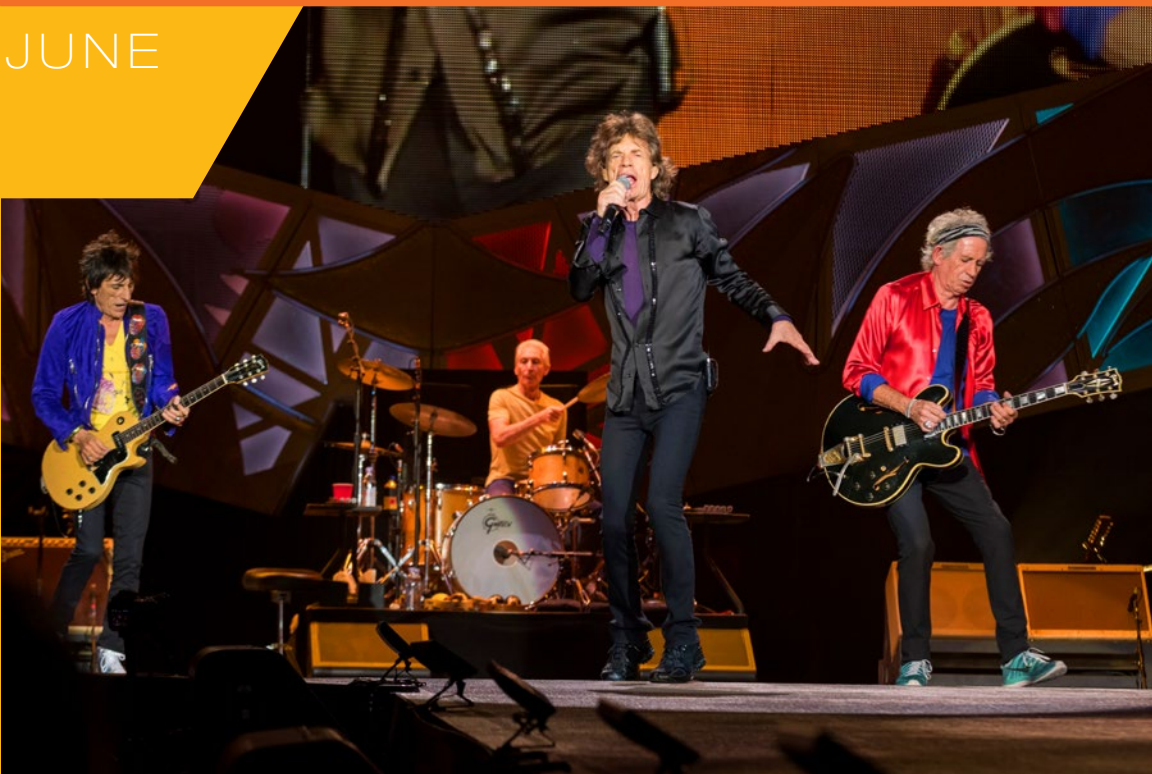




Luis Guillermo Solís (left), president of the Republic of Costa Rica, comes to campus to give a special lecture on “Latin America and its Global Insertion: The Case of Costa Rica” and to visit with students, faculty, and staff.

Ayanna Howard, professor of electrical and computer engineering, is named one of the 23 most powerful women engineers in the world by *Business Insider*. The annual feature recognizes women who are inventing or working with technology or who are leaders at their companies.

## JUNE



**The College of Architecture receives the 2015 Distinguished Conservationist award from the Georgia Conservancy. The award recognizes the successful sustainable growth plans for communities across Georgia developed by faculty and students.**

Following the U.S. Supreme Court’s historic ruling legalizing same-sex marriage nationwide, Georgia Tech Human Resources leaders, in concert with the University System of Georgia, begin the process of making benefits available to the same-sex spouses of Institute employees.

Rock legends The Rolling Stones bring their ZIP CODE tour to Bobby Dodd Stadium at Historic Grant Field. The sold-out concert — attended by many students, faculty, and staff — marked the Stones’ first appearance at Tech since their Steel Wheels tour in 1989.

# CREATING THE NEXT



[www.president.gatech.edu/ar2015](http://www.president.gatech.edu/ar2015)

Photos: inside front cover: Tech Square: Raftermen Photography;  
page 1: Dhongde: Gary Meek; page 7: Clough with Glee Club:  
Heidi Adams; page 9: Rwanda seamstress: courtesy Vayando.

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