DRIVING ECONOMIC DEVELOPMENT

RESEARCH • ENTREPRENEURSHIP • INNOVATION

research.asu.edu
Research conducted at ASU helps develop the innovative products of tomorrow, while students educated at ASU attract the best employers. ASU is nothing less than an economic powerhouse for the State of Arizona.

— Arizona Governor Janice K. Brewer

ASU’s research, innovation and entrepreneurial activities drive economic development in Arizona and beyond. It is through our collaborative partnerships that we increase the impact we have on improving the quality of life for our local and global communities.

— ASU President Michael M. Crow
Driving Economic Development

Arizona State University has made major strides in advancing innovation and technology and is being increasingly recognized as a global leader.

ASU’s annual research volume has tripled in the last decade to $405 million, ranking us among the top 20 U.S. universities without a medical school. ASU also ranks among the top 10 U.S. universities in licenses, options, startups and invention disclosures per $10 million of research investment.

At ASU we are keenly aware that research should not just matter to the university, but to the entire community. Our work is therefore focused on creating solutions to challenges, resulting in economic and societal impact.

ASU has a unique portfolio of assets that contributes to the economic and social well-being of Arizona communities and beyond. Our innovative ideas, intellectual capital and state-of-the-art facilities are critical to the advancement of our regional innovation ecosystem where large-scale companies, small and medium-sized enterprises, and startups thrive and prosper. ASU is helping to expand and diversify Arizona’s economy through highly skilled workforce development, use-inspired collaborative research with corporate entities, and partnerships with economic development agencies for business attraction and retention.

For example, SkySong, the ASU Scottsdale Innovation Center, and its more than 70 tenant companies have generated more than $460 million in economic impact for the greater Phoenix area since its inception, according to a 2012 study by the Greater Phoenix Economic Council. SkySong is projected to create more than $9.9 billion in total economic output for the Valley over the next 30 years.

At the Office of Knowledge Enterprise Development, we are excited to engage with businesses, economic development agencies, cities and policy makers to ensure a vibrant economic future for Arizona. Our Entrepreneurship and Innovation Group has launched accelerator programs that serve as national models for equipping high-potential startups for success. Our Economic Development and Corporate Engagement team fosters crucial connections with industry to help them to be successful, collaborates with regional economic development agencies to attract large and small companies to Arizona, and forms industry consortia that advance the objectives of different market segments.

We are committed to accelerating this trend of growth and its ensuing impact. Please do not hesitate to let us know how we can be of help to further drive the economic development future of Arizona.

Sethuraman “Panch” Panchanathan
Senior Vice President for Knowledge Enterprise Development
panch@asu.edu
The knowledge created through research can inform decision-making, have positive societal impact, and create products and technologies that advance the economy. ASU scholars conduct use-inspired research to address the global challenges before us. Transdisciplinary research creates opportunities for the university to engage with organizations beyond its campuses and represents the diversity of strengths ASU has to offer.

The following examples highlight some of ASU’s research efforts and accomplishments.

**Quantum Energy and Sustainable Solar Technologies**

is an Engineering Research Center funded by the National Science Foundation and the U.S. Department of Energy to harness solar power in economically viable and sustainable ways. QESST is led by faculty at ASU’s Ira A. Fulton Schools of Engineering and brings together universities, energy companies, leaders in photovoltaics and entrepreneurs to collaborate on generating innovative solutions for sustainable electricity. The center aims to accelerate commercialization of solar energy technologies through partnerships with industry and expand opportunities for education in energy engineering.

qesst.asu.edu

**The Algae Testbed Public-Private Partnership**

serves as a learning environment for the next generation of scientists, engineers and business leaders to help accelerate the research and development of algae-based technologies. Led by the Arizona Center for Algae Technology and Innovation at ASU, representatives from the National Renewable Energy Laboratory, Sandia National Laboratories, Cellana, Touchstone Research Laboratory, Valicor Renewables, California Polytechnic University San Luis Obispo, Georgia Institute of Technology, University of Texas at Austin and Commercial Algae Management have partnered to form ATP3. The project is made possible by a $15 million grant from the U.S. Department of Energy.

atp3.org

**ASU alum Cody Friesen**

was named as one of MIT Technology Review’s 35 Innovators Under 35 in 2009 for his sustainable high-energy, low-cost battery design that could decrease the United States’ dependence on foreign oil. Friesen’s research led to a spin-out company named Fluidic Energy, based in Scottsdale, that has created a large number of jobs and has now commercialized the technology, having covered tens of thousands of power outages in the past year.

www.fluidicenergy.com
The LightWorks Initiative pulls light-inspired research at ASU under one strategic framework. It is a multidisciplinary effort to leverage ASU’s unique strengths, particularly in renewable energy fields including artificial photosynthesis, biofuels and next-generation photovoltaics. Beyond science and technology, LightWorks integrates these areas with social sciences, law, policy and economic development efforts.

The Global Institute of Sustainability is the hub of ASU’s sustainability initiatives. The institute advances research, education and business practices for an urbanizing world. Its School of Sustainability offers transdisciplinary degree programs focused on finding practical solutions to environmental, economic and social challenges. Among the institute’s achievements is a recent $27.5 million investment from the Rob and Melani Walton Fund of the Walton Family Foundation for delivering sustainable solutions, accelerating global impacts and inspiring future leaders.

WaterSim is a model for exploring, in real-time, the sustainability of managing regional water supply and demand under various conditions of drought and climate change. The latest version provides a robust visual interface that can be used within the Decision Theater’s seven-screen immersive environment. Various scenarios of regional growth, drought, climate change, and municipal and agricultural use can be created using interactive controls and the impact on groundwater supplies as a surrogate for sustainability can be accessed.

Energize Phoenix is a project funded through a $25 million grant from the U.S. Department of Energy Better Buildings Neighborhood Program and the American Recovery and Reinvestment Act. It aims to save energy, create jobs and transform a diverse array of neighborhoods along a 10-mile stretch of the Metro light rail system designated as the Energize Phoenix Corridor.

Sustainable Cities Network helps local communities to explore sustainable approaches and address challenges. ASU, city, county and tribal leaders established the network to enhance and ensure the sustainability of the region and to connect ASU research with the front-line challenges of sustainability. In March 2013, the U.S. Environmental Protection Agency recognized the network and its efforts in educating and promoting sustainability throughout the state with the Pacific Southwest Region’s 2012 Green Government award.
The Flexible Electronics & Display Center has established itself as an international leader in flexible electronics manufacturing, including materials R&D and supply chain development. With a U.S. Army investment of nearly $100 million and an equivalent level of investment in infrastructure, resources and funding from ASU and its industry partners, FEDEC has created a powerful innovation infrastructure. This matches the quality and scale found at major industry players, and cannot be found at any other university in the world. FEDEC's formidable list of high-tech manufacturing company partners – GE Healthcare, Raytheon, Hewlett Packard, PARC, General Dynamics, Texas Instruments, and several dozen small-medium enterprises and startups – testifies to industry commitment to flexible electronics.

flexdisplay.asu.edu

The School of Earth and Space Exploration is a bold initiative combining science and engineering research and education to achieve a better understanding of the universe and, especially, our home world. At present, the school unites earth and planetary scientists with astronomers, and has strong collaborative ties with several other academic units at ASU, especially the Ira A. Fulton Schools of Engineering. While maintaining core strengths and developing new transdisciplinary links among the sciences, SESE aims to broaden its scope to include engineering faculty with research interests in the development and deployment of scientific instrumentation on Earth and in space.

sse.asu.edu

OSIRIS-REx
ASU has a long history of working with NASA to explore outer space and our own planet. Currently, ASU faculty and students are building an instrument that will fly onboard a NASA mission to an asteroid. The OSIRIS-REx Thermal Emission Spectrometer will analyze infrared radiation to map the minerals on the asteroid’s surface. The device, based on technology developed at ASU for previous Mars missions, will be built completely at ASU in the new Interdisciplinary Science and Technology Building 4. Undergraduate and graduate students are working with faculty to construct the instrument.

https://asunews.asu.edu/20130114_Science_breakthroughs

Top 10 Breakthroughs in Science by ASU Scientists

Earth and Space Exploration

ASU researchers were lauded by the journal Science, which cited their groundbreaking research on protein structures as one of the top 10 breakthroughs of 2012. The ASU scientists were part of an international team that determined the three dimensional structure of a protein using femtosecond nanocrystallography, a technique developed by the team at ASU and their collaborators. This technique allows for high-quality data to be acquired so quickly that reaction chemistry involving proteins can now be studied in real-time.

https://asunews.asu.edu/20130114_Science_breakthroughs

OSIRIS-REx

Director, MacroTechnology Works

Raupp, the founder of ASU's Flexible Display Center, returned to Arizona from the City University of Hong Kong, where he served as vice president of research and technology and dean of Graduate Studies. During this time, Raupp helped to establish a strategic partnership between the two universities to advance flexible electronics. He now focuses on growing ASU’s own flexible systems and manufacturing portfolio.

Gregory Raupp, Ph.D.

Top 10 Breakthroughs In Science By ASU Scientists
All living systems are constructed from the same molecular building blocks arranged in infinite variations. At the Biodesign Institute, multidisciplinary teams of researchers are working to understand the design principles that govern nature in order to improve health, protect lives and sustain our planet.

health Solutions
The College of Health Solutions launched in May 2012 with the challenge to change the landscape of medical education. The leadership at ASU strongly supports the effort to address the complexities facing the current health care system with the deliberate intention of improving health outcomes for patients and their families, promoting better access to care, and encouraging better health and wellness of our population. The College of Health Solutions brings together unique academic programs to facilitate this drive, including the School of Nutrition and Health Promotion, School for the Science of Health Care Delivery, Department of Biomedical Informatics, and the Doctor of Behavioral Health program.

Obesity Solutions
is a program under the partnership between ASU and Mayo Clinic, dedicated to using the world-class expertise of both institutions to develop innovative and economically viable ways to combat obesity. In early 2013, the Obesity Solutions Funding Challenge was launched, calling for proposals from students, faculty and staff to overcome obesity problems. Winners were awarded $10,000 in seed money as well as office space, mentoring and access to investors. Also under the Mayo-ASU partnership, an external panel of venture capitalists, entrepreneurs and medical device manufacturers has awarded $100,000 grants to two joint research teams that are working to apply personalized medicine to the treatment of Alzheimer’s disease and cerebral aneurysms.

The Security and Defense Systems Initiative
is a university-wide effort to enable large-scale research, development and educational programs that assist government, industry and other partners in the security and defense sector. SDSI addresses national and global security and defense challenges through an integrative approach combining three key areas: technology, law and policy, and root causes.

ASURE (ASU Research Enterprises)
conducts research at higher technology readiness levels to enable end-to-end ASU involvement in specialized research and development efforts. As the off-campus component of SDSI, ASURE advances technology development programs and restricted access programs that require specialized clearances and facilities.

Director, Biodesign Institute
Ray DuBois, M.D.
Internationally renowned physician-scientist and cancer expert DuBois came to ASU from the University of Texas MD Anderson Cancer Center. In the 1990s, DuBois and his colleagues discovered that blocking or inhibiting the COX-2 enzyme causes colorectal tumors to shrink. This work led to clinical trials and the treatment of precancerous polyps with a COX-2 inhibiting drug. DuBois also co-leads the Cancer Prevention Program at Mayo Clinic.

Director, Transformative Healthcare Networks
Anna Barker, Ph.D.
Before joining ASU, Barker served as the deputy director of the National Cancer Institute (NCI) and as deputy director for NCI’s Strategic Scientific Initiatives. There she developed and implemented programs in cancer research and advanced technologies including: the Nanotechnology Alliance for Cancer; The Cancer Genome Atlas (in collaboration with the National Human Genome Research Institute); and the Clinical Proteomics Technologies Initiative for Cancer. In 2009, Barker was named to the list of “The 100 People Changing America” by Rolling Stone magazine.
Top 20 Sponsors of Industry-Funded Research at ASU over the Past Five Years

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Intel Corp.</td>
<td>$5,898,075</td>
</tr>
<tr>
<td>SRP</td>
<td>$3,876,148</td>
</tr>
<tr>
<td>Arizona Public Service</td>
<td>$2,549,112</td>
</tr>
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<td>Cambridge University Press</td>
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<tr>
<td>General Atomics</td>
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<tr>
<td>Northrop Grumman</td>
<td>$2,060,730</td>
</tr>
<tr>
<td>Heliae LLC</td>
<td>$2,040,688</td>
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<tr>
<td>Chevron Energy and Technology Co.</td>
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</tr>
<tr>
<td>Semiconductor Research Corp.</td>
<td>$1,693,657</td>
</tr>
<tr>
<td>Honeywell</td>
<td>$1,277,932</td>
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When industry joins forces with a top-tier research university such as ASU, they can make tremendous advances in boosting the economy through job creation, new technologies and a stronger, educated workforce. We invite small, medium and large companies to engage with ASU. Together we can advance goals and objectives in a way that directly improves the quality of life for our communities, businesses and citizens.

The following collaborations are a sample of what can be accomplished through engaging with ASU.

Local Impact

Massively Parallel Technologies, Inc. builds a suite of software products that together form a revolutionary application ecosystem. MPT, which is housed at SkySong, the ASU Scottsdale Innovation Center, recently partnered with the Technology Based Learning & Research Center in ASU’s Mary Lou Fulton Teachers College to produce a mobile software tool focused on porting and optimizing a mobile eye-tracking application for smartphones and tablets. This collaboration allows both parties to leverage their skills in a way that advances business and provides a cutting-edge technological service.

InfusionSoft, a Chandler, Arizona-based provider of all-in-one sales and marketing software for small businesses, has grown its workforce with talent from ASU, strategically developing its relationship with the university to scale with the company’s growth. Launched with a handful of employees in 2001, Infusionsoft today has 450 workers, many of whom are ASU alumni. In addition to recruiting ASU graduates, Infusionsoft has created an internship program for ASU students, and partners with ASU to provide educational opportunities for its employees.

Global Impact

Intel Corp., ASU and the U.S. Agency for International Development partnered to create the Higher Engineering Education Alliance Program, which aims to modernize Vietnamese public higher education in engineering through a collaborative initiative with the country’s top technical universities and colleges. Intel received the U.S. Secretary of State’s 2012 Award for Corporate Excellence for the project.

heep.org
The Economic Development and Corporate Engagement Group at ASU SkySong is the “front door” connecting industry to the vast array of resources at ASU. Housed at SkySong, the ASU Scottsdale Innovation Center, EDCE helps companies with everything from sponsoring research and recruiting talent to finding faculty experts and licensing ASU technology. We have expertise that can help you answer questions and solve problems.

Below are just a few of the ways companies of all sizes can engage with ASU:

**Sponsor research**
ASU seeks research partnerships with businesses of all sizes, from local startups to global corporations. The university’s world-class faculty and research institutes are dedicated to conducting use-inspired research that has an impact on society.

**Connect with faculty**
ASU faculty members can provide expertise on a vast range of topics to increase your knowledge base.

**Sponsor class projects**
ASU students work with industry sponsors on class projects that tackle real-world issues. For example, The College of Technology and Innovation’s iProjects program brings students and industry together to find innovative solutions to real problems. Through the program, challenges defined by industry partners are solved through the diligence of student teams working under the expertise of faculty members. Partners have access to student creativity and expertise as well as the opportunity to evaluate potential intern and employee candidates.

**Recruit student and alumni talent**
ASU Career Services can help find students and alumni who meet each company’s needs. Learn more on page 14.

**Support entrepreneurs** and startups through a variety of program offerings, physical space to collaborate, funding when partnered with ASU students or faculty, and more.

**Join an industry consortium**
ASU leads a variety of consortia that work with industry partners to conduct research, develop market-ready technologies and solve business problems. See list below.
For example, a National Science Foundation Industry-University Cooperative Research Center, the **Power Systems Engineering Research Center** draws on university capabilities to creatively address the challenges facing the electric power industry.

**Become a university vendor**
ASU Purchasing can help companies become ASU preferred vendors.

**License ASU technology**
Arizona Technology Enterprises is the exclusive intellectual property management and technology transfer organization for ASU. AzTE drives the transfer of discoveries from ASU’s labs to the marketplace through technology partnering and the creation of new technology-based ventures. AzTE works with researchers, investors and industry partners to speed the flow of innovation from the laboratory to the marketplace. From 2002 through 2012, ASU innovators:
- submitted 1,610 invention disclosures
- generated $20.9 million in licensing revenues
- received 207 patents
- signed 397 licenses and options
- created 51 startup companies
(Association of University Technology Managers, FY2002-FY2012)

**ASU EXCELLENCE**
ASU’s $405 million research enterprise is among the largest in the U.S. for universities without a medical school.

**LIST OF INDUSTRY CONSORTIA**
Adaptive Intelligent Materials and Systems Center
Aerospace and Defense Research Collaboratory
Algae Testbed Public-Private Partnership
Arizona Center for Algae Technology and Innovation
Arizona’s Solar Market and Research Tool CAPS Research
Center for Business Information Technology
Center for Embedded Systems
Center for Engineered Materials
Connection One
Construction Research and Education for Advanced Technology Environments
LeRoy Eyring Center for Solid State Science
Flexible Electronics and Display Center
Global Research Center for Strategic Supply Management
Health Sector Supply Chain Research Consortium
Power Systems Engineering Research Center
Quantum Energy and Sustainable Solar Technologies
Sensor Signal and Information Processing Center
Solid State Electronics Research Center
Sustainability Consortium
Water Quality Center
ASU takes a radical new approach to moving great ideas into the marketplace. At ASU, entrepreneurship is not limited to the business school, nor is it housed in one center or institute. Instead, it is a mindset woven into the fabric of the entire university.

The following are some ways that ASU helps launch and support ventures from students, faculty and the local community.

The **Entrepreneurship and Innovation Group**, part of the Office of Knowledge Enterprise Development, serves as the hub for entrepreneurial activity at ASU. The group supports students, faculty, staff, alumni and community members, helping them navigate the wide range of entrepreneurship-related classes, programs and resources available throughout the university. Whether it’s connecting a student entrepreneur with a mentor, helping a faculty member commercialize a discovery or offering Rapid Startup School classes to the community, the Entrepreneurship and Innovation Group (formerly called Venture Catalyst) helps entrepreneurs at ASU and beyond find resources, expand their knowledge and grow their ideas.

The group also helps students, faculty and staff launch their for-profit, nonprofit and more-than-profit ventures through programs such as the Edson Student Entrepreneur Initiative and the Arizona Furnace Technology Transfer Accelerator, which provide funding, incubation space and mentorship to high-potential startups. In addition, the group builds Arizona’s entrepreneurial ecosystem with community-wide initiatives such as the Alexandria Co-working Network, a statewide network of collaboration spaces in public libraries, and AREA48, a formation space for early-stage entrepreneurs to develop their ideas. [entrepreneurship.asu.edu](http://entrepreneurship.asu.edu)

**Furnace Technology Transfer Accelerator** is a startup accelerator designed to form, incubate and launch new companies created from technologies and intellectual property licensed from Arizona’s premier research institutions. Arizona Furnace is a public-private partnership among the Arizona Commerce Authority, BioAccel and the technology transfer offices of Arizona State University, Dignity Health Arizona, Northern Arizona University and the University of Arizona.

**The Alexandria Co-working Network** brings together inventors, problem-solvers, entrepreneurs and small businesses in collaboration spaces in public libraries across Arizona, creating a statewide network of places for people to connect, share ideas and form teams. The collaboration spaces, which are free and open to the public during normal library hours, provide access to co-working space as well as resources that people can use to move their ideas forward.
Edson Student Entrepreneur Initiative

gives ASU’s student entrepreneurs the opportunity to develop their innovative ideas and launch viable startup companies. Each year students from all disciplines participate in a university-wide startup competition, with the winning ventures earning a place in the Edson startup accelerator. The competition is open to new or recently formed startup teams that have at least one ASU student as a key founder. All ASU students, including undergraduate, graduate, postdoctoral and part-time students, are eligible to apply. The accelerator provides funding, office space, training and mentorship over a 10-month period to help students launch and grow their for-profit, more-than-profit or nonprofit ventures.

G3Box

custom steel shipping containers into medical clinics, providing medical infrastructure in a box. With a passion for healthcare concerns around the world, G3Box generates global good by selling portable, on-demand medical clinics to companies and organizations that work on the social and economic front lines of delivering quality medical care to the developing world. A portion of the profits from every container sold are used to create and deploy clinics devoted to reducing maternal and infant mortality rates in the developing world. A two-time winner of the Edson Student Entrepreneur Initiative, G3Box has also amassed several awards and accolades including Inc. Magazine’s College Entrepreneur of the Year and obtaining 114% of their funding goal on their Indiegogo crowdfunding campaign. g3boxllc.com

Viomics

is a molecular diagnostics company that uses innovative scientific, engineering and business strategies to detect cancer early, when lives can still be saved. A pioneer in the field of molecular diagnostic engineering, Viomics discovers, develops and delivers paradigm-changing cancer detection technologies to enable early and targeted intervention that cures previously deadly cancers. Viomics is a two-time winner of grant funding and startup support from the Edson Student Entrepreneur Initiative, and recently was named one of six $250,000 winners in the Arizona Commerce Authority’s Innovation Challenge. viomics.com

Late Living

is revolutionizing the way people search for and make decisions about senior care by offering floating walkthrough video tours of independent and assisted living facilities on its fully integrated website. The website gives family members anywhere in the country the ability to tour multiple facilities without ever leaving home, helping families cut unnecessary costs and decrease search time. Late Living is a two-time winner of the Edson Student Entrepreneur Initiative and also has received more than $35,000 in funding from competitions that include ASU’s Innovation Challenge and the City of Tempe’s Geek’s Night Out rapid pitch event. lateliving.com

Pollen-Tech

provides a high-tech way to pollinate crops, eliminating dependence on bee pollination. Unlike bee pollination, the company’s process does not rely on weather or healthy beehives to create substantial agricultural yields. Pollen-Tech, a two-time winner of the Edson Student Entrepreneur Initiative, won the top prize at the 2013 Arizona Student Startup Demo Day, beating out 11 other student startups from ASU, Northern Arizona University and the University of Arizona. Pollen-Tech was also recently invited to participate in the MBA World Trophy competition in Dublin, Ireland, placing second in all but one category. pollen-tech.com

KVZ Sports

uses modern textile and printing technologies to manufacture custom-designed products for the action and snow sports industries. A two-time winner of the Edson Student Entrepreneur Initiative, the company was founded on a core belief in the competitive advantages of manufacturing in the United States. KVZ Sports was the first Edson company to receive venture funding and was one of the first to earn significant revenues. KVZ was also recently accepted into the Arizona Commerce Authority’s State Trade and Export Promotion program, which helps Arizona small businesses enter export markets. kvzsports.com

VALUING ENTREPRENEURSHIP ASU INSPIRES ACTION

We harness knowledge for innovation and create purposeful ventures. We are entrepreneurial as individuals and as an institution.
ASU’s state-of-the-art research facilities provide the tools and collaboration space to help researchers from academia, industry and government answer questions and develop innovative technologies.

For more facilities and how to get involved, visit research.asu.edu/facilities
ASU offers a Shared Resources portal to tools and services available through more than 100 core facilities, labs, shops, clinics, museums and collections that support ASU research. For more information and to inquire about access, visit sharedresources.asu.edu

The Southwestern Center for Aberration Corrected Electron Microscopy allows researchers across ASU and industrial users across the country to conduct atomic-scale analysis of materials. Opened in 2012, the facility is extraordinarily stable and quiet. The microscopes inside are subject to no noise, no vibration and no electrical interference. This provides the special environment necessary to conduct high-speed chemical mapping, together with related atomic-scale analyses.

Decision Theater is a research facility and decision lab for exploring and understanding decision-making in uncertain times. By using state-of-the-art visualization, simulation and solutions tools, DT enables decision-makers to address challenges such as disaster and pandemic preparation, water management and other sustainability issues, and zoning and urban growth. DT works with researchers, industry leaders, local government officials, school districts and others to help with planning in the face of uncertainty. The Global Decision Theater Alliance extends the Decision Theater framework to multiple locations in China with emerging centers in Bangalore, India; Denver, Colorado; Monterey, Mexico; France; and Dubai.

dt.asu.edu

EVENTS

There are a variety of different ways to engage ASU through events, including being a speaker, attending lectures, sponsoring, hosting and more. Some signature events include:

Arizona Solar Summit brings people and organizations together to advance the solar energy industry on a national and regional scale. The summit launched a network designed to address specific challenges that, if met, will propel Arizona to national prominence in the solar energy market.

azsolarsummit.org

ASU’s Education Innovation Network is an open innovation platform where entrepreneurs can find the resources to validate concepts, accelerate growth and reach transformative scale to improve the learning outcomes among students in Arizona, across the nation and around the world. EIN’s annual Education Innovation Summit brings together the world’s most visionary, passionate and energetic players in the innovation space. edinnovation.gsvadvisors.com

Techiepalooza is an annual event that builds Arizona’s entrepreneurial ecosystem by connecting Valley startup and tech communities, bringing together entrepreneurs, startup companies, programmers and engineers. The event features workshops, panel discussions, speakers and networking and also showcases hot new technologies and up-and-coming startups.

techiepalooza.com
A thriving economy depends on a skilled and educated workforce. ASU helps prepare the leaders, innovators and producers of today and tomorrow.

With nearly 74,000 students in more than 650 degree programs as well as nearly 357,000 alumni around the world, ASU has the talent needed to build tomorrow’s workforce. Whether a small business is looking for a student intern or a global corporation needs to fill hundreds of positions, ASU Career Services can help connect employers with students and alumni who meet their needs. In addition, a number of ASU’s colleges and schools offer career services geared specifically toward students and alumni in their disciplines. eoss.asu.edu/cs

The Wall Street Journal ranked ASU 5th in the nation among universities for job recruiting, based on a 2010 survey of employers.

ASU rankings by National Science Foundation:
(2011 NSF survey)

#8 in social sciences total research expenditures
#14 in humanities total research expenditures
#17 in total research expenditures for universities without a medical school
#19 in non-science and engineering total research expenditures

ASU named a top producer of Fulbright student scholarship winners who will teach and study abroad, tied at fifth place in the nation among research institutions with Yale University and the University of California, Berkeley.

ASU student startups Endless Entertainment (formerly Arizona Pro DJs) and G3Box were finalists in Inc. magazine’s 2012 Coolest College Startups competition, with Endless Entertainment winning the top prize. FlashFood, another ASU student startup, was a finalist in the 2013 competition.

ASU named among top 25 university incubators in the world and in the top 10 in the United States by the University Business Incubator Index’s first-ever global index.

Startups in ASU’s Venture Catalyst startup cohort raised more than $1 million in external funding between October 2011 and December 2012.

“ASU is a rich educational asset in the Sun Corridor, and is a key partner in educating the next generation for jobs of today and the future. Talent is always the number one factor in site selection decisions and ASU “gets it” when it comes to university-private sector collaborations to meet this need. With ASU in a central role, the Sun Corridor is well-positioned to win in the global economy.”

— Joe Snell, president and CEO, Tucson Regional Economic Opportunities (TREO)
The incredible work taking place every day in our universities contributes significantly to growing and strengthening Arizona’s statewide economy. Researchers are developing revolutionary new products which become the backbone of new companies – companies that enhance our state’s wealth and job creation. Programs such as iProjects at ASU’s College of Technology and Innovation strengthen Arizona’s existing industry by committing students to find innovative solutions to industry’s real-world problems. Our universities are graduating brilliant minds in the most high-demand disciplines, luring new companies and significant corporate investment to our state.

— Sandra Watson, Arizona Commerce Authority (ACA)

Since January 2007, ASU students submitted more than 2,100 applications for the university’s various student entrepreneurship competitions.

In 2011-2012 academic school year, undergraduate students from 127 different majors and graduate students from 43 different majors pursued courses in entrepreneurship.

In 2012 The Edson program received 321 applications, representing more than 890 students from programs within 17 colleges or schools across all four ASU campuses.

Three of the five finalists and the overall winner of Entrepreneur magazine’s 2011 College Entrepreneur of the Year competition were from ASU student startups. The winner was G3Box’s Gabrielle Palermo, a biomedical engineering student at ASU.

“AZ Furnace as 1 of 3 college town incubators to watch”
— Elaine Pofeldt, Inc. Magazine, June 2013

ASU’s sterling reputation when it comes to university-industry collaboration is a major attraction point for companies considering a move to or expansion in Arizona. ASU’s partnerships with the business community have fostered innovation, economic growth and the creation of high-quality jobs.

— Barry Broome, president and CEO, Greater Phoenix Economic Council