



\$3.5 BILLION
TOTAL ECONOMIC IMPACT

BY THE NUMBERS

The cybersecurity economic impact is greater than hosting 9 Super Bowls or 23 Comic-Cons each year!

12,400

Direct Jobs
7% increase*

24,350

Total Jobs
Impacted
10% increase*

9%

Projected Cyber
Employment Growth
in the next 12 months

60,000

Technology Specialists
Call San Diego Home

*Source: CCOE & San Diego Regional EDC's Securing the Future: AI and San Diego's Cyber Industry Study, June 2021

CYBER CENTER OF EXCELLENCE (CCOE)

Founded by a collection of world-class cyber companies with operations in San Diego, the Cyber Center of Excellence is a non-profit dedicated to accelerating the region's cyber economy and positioning it as a global hub of cyber innovation. Capitalizing on San Diego's unique strengths in this growing and future-oriented field, CCOE accelerates the regional economy by:

- Attracting and nurturing talent
- Creating new opportunities for business
- Fostering collaboration in the cyber community

CCOE was created to leverage the abundance of cyber talents and resources currently in place in the San Diego area, enlist local businesses who have a stake in cyber security and the economic vitality of our community, and establish San Diego as a national leader for products and services that will be in high demand across the globe in the years ahead.

SAN DIEGO'S CYBER ECONOMY

The San Diego region is ideally positioned to capitalize on the ever-growing global demand for cybersecurity products and services.

A Vibrant Innovation Economy

San Diego's entrepreneurial environment includes incubators, financiers, experienced service providers and non-profits that support more than 870 firms focused exclusively on cybersecurity.

Education and Research

San Diego's universities and colleges annually graduate 22,270 students in cybersecurity and related fields and support cutting-edge research through resources like the Super Computing Center at UC San Diego.

Department of Defense Presence

San Diego is home to the U.S. Navy's Naval Information Warfare Systems Command (NAVWAR), employing the largest number of cybersecurity jobs (>3,700) and significantly contributing to R&D in the region.



CCOE BACKGROUND AND VALUE PROPOSITION

- The Cyber Center of Excellence is a non-profit dedicated to accelerating the region's cyber economy and positioning it as a global hub of cyber innovation.
- The organization's founding participants include Booz Allen Hamilton, City of San Diego, ESET, EY, FBI, FICO, Lockton, Port of San Diego, Qualcomm, San Diego Regional Airport Authority, Sentek Global, Sharp Healthcare, Teradata and the U.S. Navy's Naval Information Warfare Systems Command (NAVWAR).
- CCOE fulfills its aims through the following programs and initiatives:

Job Board, Career Map & Link2Cyber connect the global cyber workforce, students and veterans with San Diego job opportunities and career paths.

Internship and Apprenticeship Programs partner industry, academia and non-profits to align talent supply and demand and provide a cyber workforce pipeline.

CyberHireSD, NFAR Cyber and Women in Cyber Girl Scouts partnership programs reach underrepresented populations and increase diversity and inclusivity in the cyber talent pipeline.

Secure San Diego facilitates collaboration between the region's cyber industry, academia, local government, utilities, transportation, law enforcement and military to create a more secure cyber environment and position San Diego as a leader in collaborative cyber innovation, including the City of Carlsbad Cybersecurity Awareness Program.

Thought Leadership events bring together San Diego's cyber leaders with global experts, law enforcement and regulatory agencies to educate and further the cybersecurity industry, including the FBI Executive Briefing Series.

Global Delegations & Partnerships convene U.S. and international business and government leaders with San Diego's cyber ecosystem to share best practices, encourage collaboration and attract business, investment and talent to the region.

Research delivers data, analysis and recommendations to policymakers, educational institutions, businesses, talent and key non-profits to encourage regional economic development.

Stakeholder Forums create an open dialog between the cyber industry, innovation sectors, academia and the government allowing for real-time problem solving to challenges facing the industry and quick mobilization around opportunities to accelerate San Diego's cyber cluster.

Strengthening National Security Innovation with the State of California Governor's Office of Planning and Research and U.S. Department of Defense's Defense Manufacturing Communities Support Program as a member of the California consortium titled CADENCE – one of six national DMC designees. CCOE's project includes the development of a state-wide Consortium and Cyber Innovation Center to support DoD's modernization priorities in cybersecurity, 5G and AI/ML technologies, as well as workforce development, research and analysis and mechanisms for knowledge sharing and scaling.

CONTACTS

Corporate:

Lisa Easterly
President & CEO
Cyber Center of Excellence
858.245.6674
lisa.easterly@sdccoe.org

Media:

Kevin Dinino
KCD PR
619.739.4265
kevin@kcdpr.com

Follow CCOE:



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LISA EASTERLY

Current:

- President & CEO,
Cyber Center of Excellence

Past Experience:

- VP of Marketing,
San Diego Regional EDC
- Founding BoD and Education
& Outreach Committee Chair,
CleanTech San Diego
- Business Development Manager,
Latham & Watkins LLP

Education:

- BS in Business Administration,
Finance and Economics,
University of Florida
- Master of Business Administration,
University of Florida

Contact:

- lisa.easterly@sdccoe.org

Lisa Easterly is the President & CEO of Cyber Center of Excellence (CCOE), a San Diego-based nonprofit dedicated to accelerating the region's cyber economy and positioning it as a global hub of collaborative innovation. She leads the organization's mission, business strategy, organizational development, program implementation, funding and financial oversight. Prior to promotion to President & CEO, Easterly served as Chief Operating Officer managing operations, programs, marketing, membership and fundraising to stand-up and support the organization's growth.

Prior to joining CCOE, Easterly was the Vice President of Marketing for San Diego Regional EDC, a nonprofit organization driving the attraction, retention and expansion of the innovation, military, tourism and local economies in the San Diego region. She led communications, branding, marketing and business development strategy.

Easterly also served as a Founding Board Member and Education & Outreach Committee Chair for CleanTech San Diego, a nonprofit organization with the mission to stimulate innovation and advance the adoption of clean technologies and sustainable industry practices for the economic, environmental and social benefit of the greater San Diego region.

Easterly also served as Business Development Manager for Latham & Watkins LLP. She built the local business development department to drive client retention and growth through competitive intelligence, strategic partnerships, cross-selling, media relations and targeted proposals and events.

Easterly earned a Master of Business Administration and Bachelor of Science in Business Administration, Finance and Economics from the University of Florida.



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RADM KENNETH SLAGHT, USN (RET.)

Current:

- Co-Chairman of the Board, Cyber Center of Excellence
- BoD, NDIA
- BoD, SDMAC
- BoD, SDSU Industry Advisory
- BoD, Point Loma Nazarene Business School

Military Experience:

- VP & GM of Navy/Marine Corps Services Center at General Dynamics
- Commander at SPAWAR
- Commander of the USS FLINT
- Executive Officer of the USS GRIDLEY

Education::

- United States Naval Academy, Masters Degree in Computer Systems Management

Contact:

- ken.slaght@sdccoe.org

RADM Kenneth D. Slaght, USN (ret.) is the Co-Chairman of the Board of the San Diego Cyber Center Of Excellence (CCOE), a non-profit established to coordinate and enhance the effectiveness and synergy of the regional cyber initiative, capitalizing on our unique strengths to accelerate the regional economy by creating opportunities for business, attracting and nurturing talent. He served as Chair and Founding President of CCOE from its inception in 2014 until March 2021.

Previously RADM Slaght served as the Vice President and General Manager, Navy/Marine Corps Services Sector, General Dynamics Information Technology, responsible for providing IT services to the Navy and Marine Corps. Prior to that he was the Commander of the Space and Naval Warfare Systems Command. He was responsible for providing information technology and space systems for naval and joint services. Additionally, he was the chief engineer for developing, delivering and maintaining effective, capable and integrated command, control, communications, computer and intelligence systems (C4I). He was also responsible for engineering and assessing FORCenet, the foundation of the Seapower 21 vision.

During his naval career, RADM Slaght served as Commander of the ammunition ship USS FLINT (AE 32). Other sea duty included tours as Executive Officer aboard the guided missile cruiser USS GRIDLEY (CG 21), Engineer Officer aboard the amphibious ship USS TULARE (LKA 112), Operations Officer aboard the frigate USS EDWARD MCDONNELL (FF 1043), and Combat Information Center Officer aboard the frigate USS GARCIA (FF 1040).

RADM Slaght received his commission in 1970 upon graduation from the United States Naval Academy. RADM Slaght attended the Defense Systems Management College, the Naval Post Graduate School, where he received a Masters Degree in Computer Systems Management, and the Naval Destroyer School. RADM Slaght served on the Boards of the National Defense Industrial Association (NDIA), the San Diego Military Advisory Council (SDMAC), GET Engineering, the San Diego State University Industry Advisory Board, and the California Governor's Military Council and co-chaired the National Initiative for Cybersecurity Education (NICE)'s Workforce Committee.



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KRIS VIRTUE

Current:

- Head, Global Information Security and Risk Management, Qualcomm
- Co-Chairman of the Board, Cyber Center of Excellence

Past Experience:

- 18+ years at Qualcomm
- Leadership role, information security
- Leadership role, middleware
- Leadership role, data integration

Education:

- BS in Computer Science, University of California, San Diego
- MA in Architecture Based Enterprise Systems Engineering, University of California, San Diego
- CISSP Certified
- CISM Certified

Contact:

- kvirtue@qualcomm.com

Kris Virtue is Head of Global Information Security and Risk Management at Qualcomm, where he oversees the organization's Cyber Security and Threat Management team. In this role, he has responsibility for incident response, threat intelligence, security monitoring and application security.

Virtue also manages the Qualcomm IT eDiscovery collections team which partners with Qualcomm's litigation department to manage legal hold data collection and preservation. In addition to his security related duties, Virtue is also responsible for the IT organization supporting Qualcomm's Government Technologies business unit, providing IT service delivery across the stack.

Over his nearly 18 year tenure with Qualcomm, he has held numerous roles within IT, including leadership roles across all aspects of the information security program, middleware and data integration teams. He has extensive experience in security architecture, incident response, compliance, security operations, identity management and security technology.

Virtue also currently serves on the Board of Directors of the San Diego Cyber Center of Excellence, a non-profit dedicated to accelerating the regional economy by promoting alignment and collaboration within the Cyber community.

Virtue holds a Bachelor's degree in Computer Science and a Master's degree in Architecture Based Enterprise Systems Engineering from the University of California, San Diego, and is CISSP and CISM certified.



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CHAD NELLEY

Current:

- EVP Operations, ESET North America
- Foundation President, Cyber Center of Excellence

Past Experience:

- VP of Operations and IT, Total Training, Inc.
- Field Marketing Manager, Silicon Graphics Inc.

Education:

- BA in Telecommunications, California State University, Fresno
- Graduate of UCLA Anderson School of Management Executive Program

Contact:

- chad.nelley@eset.com

As Executive Vice President of Operations for ESET North America, Chad Nelley has general oversight of Operations to include: Organizational Development, IT, Business Systems, PMO, Real Estate and Facilities, Manufacturing, Procurement, Logistics and Inventory, Community Relations and Philanthropy.

Prior to joining ESET in 2007, Nelley held the post of Vice President of Operations and IT at Total Training, Inc., a content development firm developing multi-media education products for blue chip software partners such as Adobe, Apple and Microsoft along with other software OEM's. While there Nelley was instrumental in developing, managing and supporting double and triple digit revenue growth over 7 consecutive years, implementing operational and secure IT/IS infrastructure systems to include building an ERP, CRM, estore and cart solution that drove 60+% of revenues for the company. Nelley started his technology career with Silicon Graphics Inc., as a Field Marketing Manager for the Southern California region covering San Diego, Imperial and portions of South Orange County. He has also taken on various entrepreneurial endeavors including starting a consultancy practice specializing in Organizational Development, IT/IS Systems and Project Management services.

Nelley was born and raised in San Diego and maintains a strong interest and connection to the San Diego Community. He is passionate about the region's economic vitality having served on various technology committees and participating in organizations like the SD-CCOE, SOeC and the San Diego Economic Development Corporation. Chad holds a Bachelor of Arts degree in Telecommunications from California State University, Fresno and is a graduate of the UCLA Anderson School of Management Executive Program.



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ERIC BASU

Current:

- Founder and CEO, Sentek Global
- Board of Directors, Cyber Center of Excellence

Past Experience:

- Chief Architect, Alitum
- Consultant, Price Waterhouse Coopers
- Project Manager/IT Consultant, KPMG

Education:

- BS in Molecular Biology, San Jose State University
- MBA, Andersen Graduate School of Management (UCLA)

Contact:

- ebasu@sentekglobal.com

Eric Basu is the founder and CEO for Sentek. He's a former U.S. Navy SEAL Commander who graduated from San Jose State University with a Bachelor of Science in Molecular Biology and holds an MBA from Anderson Graduate School of Management (UCLA). He has completed both the Harvard Business School and Harvard Law School Negotiations courses.

Basu is a successful serial entrepreneur who has worked in various industries and started a number of successful companies over his nearly four decades of professional life. After leaving active duty, Basu worked in various consulting roles before starting Sentek Global, a cybersecurity defense contractor ranked as the largest small business in San Diego.

Basu launched Sentek Global out of his home in 2001 with the goal of founding a firm committed to making a significant and long-standing positive difference for our clients. His leadership is a key reason for the company's perennial listing in the annual Inc. 5,000 list. Basu also is the visionary and founder of the Haiku Cyber Range, a gamified cybersecurity training simulation. Haiku expands the opportunity to learn cybersecurity skills to a vastly wider demographic than current training methods by disrupting the price point of cybersecurity training and using a role playing game format. Basu and his team developed the Haiku Cyber Range over several years and have implemented it with the U.S. Navy, many scholastic Cyber Cup Hacking competitions, and a large audience of individual players.

He was a finalist for Entrepreneur Magazine's Entrepreneur of the Year in 2012 and 2014, and San Diego Business Journal's Most Admired CEO in 2015.



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JAMES E. SKEEN, JR.

Current:

- Founder & Partner, Lockton San Diego
- Secretary, Cyber Center of Excellence
- Board of Advisors, Affinity Development Group dba Costco Auto Buying Program

Past Experience:

- Partner, Executive Committee, Lockton Pacific Series
- President & CEO, Lockton San Diego
- Senior Vice President, Marsh Inc.
- VP, Johnson & Higgins
- Associate, M G Skinner & Associates
- Associate, AXA US

Contact:

- JSKeen@lockton.com

Jim Skeen Jr. was founding president and CEO of Lockton San Diego, the first global insurance broker to build its own office locally from the ground up rather than by acquisition. He joined Lockton in 2002 and the team now includes more than 75 associates.

Skeen long served as a member of the Lockton Pacific Series Executive Committee, accountable for its sustained growth and profitability through its nine west coast offices. He has provided decades of continuous board service, for both corporate and non-profit organizations, focused on enterprise opportunity and results.

Skeen has over 40 years of experience successfully navigating complex Risk Factor solutions for verticals such as AIML, Basic Research, Communications, Construction, Cybersecurity, Defense, Healthcare, Hospitality, Life Sciences, M&A, Real Estate, Retail, Technology, and Workforce Solutions. He has built a successful practice leading client advocate teams delivering superior results and service through evolutionary cycles.

Skeen dedicates significant time and expertise to Cyber Risk awareness, education, collaboration and workforce development between corporate, government and academic partners. He is a founding board member of the San Diego Cyber Center of Excellence and currently serves as Secretary of the Board of Directors. In addition, Skeen serves as Private Sector Engagement Partner to the FBI; on the Board of Advisors to Mira Costa College, CSIT; as a Member of the Coast Guard Auxiliary and San Diego CISO Roundtable; and mentor to The Honor Foundation, coaching senior members of the U.S. Special Operations community during transition to the private sector.



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PAT SULLIVAN

Current:

- CEO, Pat Sullivan Consulting LLC
- Emeritus Advisor to CCOE Board of Directors, Cyber Center of Excellence

Past Experience:

- Executive Director, Naval Information Warfare Systems Command
- Board Member, San Diego Regional Economic Development Corporation
- Executive Director, Navy's Program Executive Office for C4I
- Director, Intelligence, Surveillance, Reconnaissance, and Information Operations, Space and Naval Warfare Systems Center, Pacific

Education:

- BS in Electrical and Computer Engineering, University of California, San Diego (UCSD)
- MS in Electrical Engineering and Applied Physics, University of California, San Diego (UCSD)

Contact:

- pat@patsullivanconsulting.com

Before starting his own consulting firm in the summer of 2020, Pat Sullivan served as the Executive Director for the Naval Information Warfare Systems Command, leading a global workforce of over 11,000 employees delivering and sustaining advanced information technology, communications systems, and cyber solutions to US naval, joint, and national forces worldwide. While in this position he developed a vision for a technology hub in San Diego centered around a new Naval Information Warfare Systems Command facility, and he built a coalition of local and national advocates to redevelop and transform the current 70 acre site into a thriving advanced technology center. Sullivan is a cyber savvy executive, recognized by the President for mitigating effects of a major cyber intrusion into Navy networks, and he developed and executed the digital transformation vision for the Navy's IT portfolio. He is an expert in the development, acquisition, deployment, and sustainment of information warfare and intelligence related capabilities for defense, intelligence, and special operations communities.

Sullivan's prior executive positions include the Executive Director for the Navy's Program Executive Office for Command, Control, Communications, Computers, and Intelligence, as well as the Director for Intelligence, Surveillance, and Reconnaissance at the Naval Information Warfare Center, Pacific. He served on the Board of Directors for the San Diego Regional Economic Development Corporation from 2016-2020, the Board of Directors for the San Diego Cyber Center of Excellence from 2015-present, and the Advisory Board at the University of California San Diego for Electrical and Computer Engineering from 2001-2018. Sullivan has a Master's degree in Electrical Engineering and Applied Physics, and a Bachelor's degree in Electrical and Computer Engineering, both from the University of California San Diego.



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SCOTT ZOLDI

Current:

- Chief Analytics Officer, FICO
- Board of Directors, Cyber Center of Excellence
- Executive Council Member, CNBC Technology Executive Council
- Board Member, FinRegLab
- Board Member, California Technology Council
- Board Member, Tech San Diego
- Technical Committee Member, CommNexus/ EvoNexus

Past Experience:

- Board Member, San Diego Software Industry Council
- Board Member, SDSIC
- Analytic Science Director, HNC Software
- Director's Postdoctoral Fellow, Los Alamos National Laboratory

Education:

- Ph.D. Theoretical and Computational Physics, Duke University

Contact:

- scottzoldi@fico.com

Scott Zoldi is Chief Analytics Officer at FICO, driving the company's innovation in artificial intelligence and incorporating it into FICO solutions including the Falcon® Fraud® Platform, which protects about two-thirds of the world's payment card transactions from fraud. While at FICO, Zoldi has been responsible for authoring more than 100 analytic patents with 62 patents granted and 48 in process.

He is an industry leader in developing practical applications and standards for AI, Explainable AI, Ethical AI and Responsible AI, and was named one of Corinium's 2020 Global Top 100 Innovators in Data & Analytics. Zoldi is most recently focused on operationalizing artificial intelligence in FICO's solutions for fraud management, compliance and cybersecurity. Zoldi serves on the Boards of Directors of Tech San Diego and Cyber Center of Excellence, and on the Cybersecurity Advisory of the California Technology Council.

Zoldi received his Ph.D. degree in theoretical physics from Duke University.



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