

Dr. CLARK CULLY

TECHNOLOGY EXECUTIVE AND ADVISOR



EDUCATION

PH.D. PHYSICS

University of Michigan

M.S. PHYSICS

University of Michigan

B.A. MATH

Calvin University

B.S. PHYSICS, Honors

Calvin University

SKILLS

Active TS/SCI Clearance

Executive Leadership

Strategic Planning

AI Adoption & Integration

International Diplomacy

Digital Modernization

Federal Engagement

Data Management

Legislative Affairs

National Security Policy

RECOGNITION

Secretary of Defense Medal
for Meritorious Civilian Service

Federal Data Executives List
2022, CDO Magazine

Global War on Terrorism
Service Medal

NATO Service Medal

SUMMARY

Collaborative, strategic, and trusted C-suite executive leading digital transformation in federal government. Proven track record of success driving innovation adoption by connecting international, Congressional, academic, military, and industry partners. Diverse experience managing emerging technology issues in dynamic, multi-billion dollar markets.

EXPERIENCE

TECHNOLOGY DIVISION CHAIR

Indiana Wesleyan University | 2024 - Present

- Create and lead all graduate programs in data, AI, IT, and cybersecurity
- Support 3000 STEM graduate students across Departments
- Accelerate the University's transition to an AI leader in higher education
- Provide strategic vision, academic oversight, and faculty supervision
- Advance scholarship in ethical AI application from a faith-based perspective

DEPUTY CHIEF DATA OFFICER

DEPUTY CHIEF DIGITAL & AI OFFICER FOR POLICY

Department of Defense | 2020 - 2023

- Served as senior data executive for \$700B/yr, 3.2M person organization
- Oversaw AI policy, strategy, and governance for defense enterprise
- Founded chief data office and led its merger into a \$500M/yr business unit
- Led DoD digital talent management, AI education, and culture development
- Authored *DoD Data Strategy* and *DoD Data, Analytics, and AI Strategy*
- Crafted foundational standards and processes for digital transformation
- Enabled analytics for COVID, Afghanistan, and Ukraine crisis responses
- Established embedded data/AI teams across global combatant commands
- Implemented enterprise data platform for metric-driven business decisions
- Managed legislative affairs, international engagements, and strategic comms
- Represented Dept. in academic, federal, industry, and public venues

CIO DIGITAL MODERNIZATION LEAD

Department of Defense | 2019 - 2020

- Led implementation of DoD digital modernization for cloud, cybersecurity, AI
- Developed data-driven performance metrics across \$50B DoD IT budget
- Managed CIO strategy development, technology scouting, and governance

PRESENTATIONS

Software & Agile Leadership

IISS Future of Defense Workshop

AI Transformation Lessons

AI Partnership for Defense

Integrated Data & AI Approach

Five Eyes CDO Forum

Effective Data/AI Management

ATARC Federal Roundtable

Digital Transformation Journey

NATO TIDE SPRINT 2022

Creating Data Advantage

MITRE CDO Summit

Future of DoD AI Keynote

Lockheed AI/ML Summit

Data/AI for All Domain Warfare

NDU CAPSTONE Course

Data/AI Transformation

DoD Digital & AI Symposium

Leading Digital Transformation

Apex Sr. Executive Course

Creating the CDAO Keynote

WashingtonExec AI Council

Leading a Data-Centric Org

Snowflake Data Champions

Create Data Advantage Keynote

FedScoop Data-in-Action Summit

AI Era in Government

GWU Center for Public Excellence

Defense AI/ML Panel, AFCEADC**Data & National Defense Strategy**

FedInsider Webinar

DoD IT Modernization

FedScoop Disruptors Roundtable

Future of Digital Modernization

FCW Emerging Tech Workshop

DoD Digital Transformation

Federal News Network Interview

Emerging Cyber Challenges

MIT Lincoln Labs CS Symposium

DoD Cyber Strategy, CyberCon

EXPERIENCE (continued)

CYBER STRATEGY LEAD

Office of the Under Secretary of Defense, Policy | 2018 - 2019

- Wrote *DoD Strategy for 5G*, accelerating DoD's research investment
- Organized high-profile Congressional *Cyberspace Solarium Commission*
- Authored assertive approach to cyber warfare in *2018 DoD Cyber Strategy*
- Led the first-ever Cyber Posture Review, supporting \$4B reprogramming

DEPUTY DIRECTOR FOR NATIONAL DEFENSE STRATEGY

Department of Defense | 2017 - 2018

- Wrote National Defense Strategy sections on technology and talent
- Drove renewed investment in digital talent, innovation culture, and data/AI
- Led research team evaluating national approaches to strategic competition

DIRECTOR FOR LEADERSHIP & ORG DEVELOPMENT

Office of the Under Secretary of Defense, Policy | 2014 - 2017

- Led transformative programs for talent, innovation, and cognitive performance
- Taught human-centered design, red-teaming, and strategic planning
- Responded to talent and tech trends impacting national security policy

CHIEF OF STAFF

Assistant Secretary of Defense, Global Strategic Affairs | 2013 - 2014

- Managed office responsible for all cyber, space, and nuclear policy issues
- Executed largest-ever review of nuclear enterprise, resulting in \$8B funding
- Supervised HR, budgeting, Congressional, and media engagement

NUCLEAR DETERRENCE ADVISOR

Office of the Under Secretary for Policy | 2012 - 2013

- Managed international arms control dialogues reducing proliferation risk
- Provided expertise on nuclear security, deterrence, and strategy
- Oversaw technology modernization for command and control

SENATE APPROPRIATIONS DEFENSE FELLOW

Majority Staff, U.S. Senate | 2011 - 2012

- Led oversight of \$30B in defense acquisitions, identified \$2.5B in savings
- Advised senators on missile, vehicle, and health technology procurement
- Provided legislative recommendations on emerging technology and security

NATO COUNTER-INSURGENCY ADVISOR

NATO ISAF Headquarters, Kabul, Afghanistan | 2010 - 2011

- Served as on-site counter-insurgency advisor to General Petraeus
- Developed NATO strategy for addressing family and gender issues
- Provided research on effective use of reconstruction funding

PROFESSIONAL DEV.

AI For Nat. Security Leaders, MIT

Defense AI Executive Course
John Hopkins APL

Cybersecurity Orientation, NSA

Federal CDO Forum, Microsoft

Defense Entrepreneurs Forum

Federal Innovation Network

Seminar XXI Program, MIT

Leadership in a Democratic Society, Fed. Executive Institute

National Security Exec. Leaders Seminar, Foreign Service Institute

CFR Term Member,
Council on Foreign Relations

U.S.-Japan Leadership Exchange Program

High-Performance Management
Gallup

Human Centered Design
Luma Institute

Manfred Wörner Exchange
German Marshall Fund

Program for WMD Leaders
National Defense University

Legislative Fellowship Course
Georgetown University

Nuclear Surety Exec. Course
DoD Nuclear Weapons School

Civilian Expeditionary Workforce Program, DoD

Pacific Forum Young Leaders Program, CSIS

Nonproliferation Orientation
Livermore National Lab

EXPERIENCE (continued)

PRESIDENTIAL MANAGEMENT FELLOW

Office for Defense Research & Engineering | 2009 - 2010

- Completed fast-track leadership training across the Department
- Led red-team research for DoD Technology Priority Roadmap
- Supported New START Treaty agreement with Russia

NONPROLIFERATION R&D FELLOW

Department of Energy | 2008 - 2009

- Supported program management of \$200M in advanced laboratory research
- Assisted in physics research proposal selection, oversight, and evaluation
- Served as member of national laboratory Intelligence Community

SCIENCE & TECH POLICY FELLOW

National Academy of Sciences, Washington DC | 2008

- Supported academic dialogue on nuclear security with Russian academics
- Staffed Congressionally-directed investigations on WMD proliferation
- Provided expertise on Defense Cooperative Threat Reduction program

ADJUNCT FACULTY, MATHEMATICS DEPT

University of Phoenix, Chicago Campus | 2006 - 2007

- Taught sections of Astronomy specialized for adult learning

GRADUATE RESEARCHER, HIGH-ENERGY PHYSICS

Fermi National Accelerator Laboratory, Chicago | 2004 - 2008

- Searched for extra dimensions of space predicted by supersymmetry
- Utilized early neural network-based signal search of large data sets

SELECT PUBLICATIONS

First Observation of Electroweak Single Top Quark Production, CDF Collaboration, Phys. Rev. Lett. 103, 092002 (2009)

Search for Production of Narrow tb Resonances in 1.9 fb of pp Collisions at 1.96 TeV , CDF Collaboration, Phys. Rev. Lett. 103, 041801 (2009)

Search for Resonant tt Production in pp Collisions at $\sqrt{s}=1.96\text{ TeV}$, CDF Collaboration, Phys. Rev. Lett. 100, 231801 (2008)

Search for W' -like tb Mass Resonances at CDF, J. C. Cully, April