

# The National Finals Competition Special Edition

Air Force Association's

## CYBERPATRIOT

National Youth Cyber Education Program

presented by **NORTHROP GRUMMAN**  
Foundation

Issue 0024  
March 2014



# The CyberSentinel

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## Commissioner's Cache

The CyberPatriot VI National Finals Competition is here! Out of over 1,500 teams THAT began an arduous season of competition, only a handful remain in contention for the title "National Champion." The Air Force Association looks forward to welcoming our National Finalist teams to the Washington, D.C., area and wishes them all the best as they strive to show who truly "has what it takes." And for teams that aren't joining us here in D.C., we congratulate you also on a great season of competition. This was the most daunting and challenging season ever; the problems were more difficult and the work was harder. You should take no small satisfaction in having competed, and we hope you will join us for CP-VII in the coming year. And now, let the National Finals Competition begin!



Bernie Skoch  
Commissioner  
CyberPatriot Program

## Scholarships, Awards, and Some Changes at The National Finals Competition

Shortly, 28 teams with more than 200 National Finalists Competitors will arrive in Washington, D.C., for the CyberPatriot VI National Finals Competition, March 26-30. The teams will be vying for national titles and more than \$50,000 in scholarships from CyberPatriot's Presenting Sponsor the Northrop Grumman Foundation. Top teams in specific competition events will be recognized by the event sponsor.

This season, the competition will have four weighted events instead of the usual three. Middle school teams will compete in two of the events indicated with an asterisk (\*):

- Network Security Master Challenge\* - Leidos Digital Forensics - Cisco Networking Challenge
- U.S. Cyber Crime Conference Digital Crime Scene Challenge\*

The events have changed, too. In the Network Security Master Challenge teams will have their Internet access limited to a "whitelist" of approved websites and will secure a mobile device. The Networking and Digital Forensics Challenges have been significantly upgraded from last season. Physical evidence collection in a simulated crime scene will be scored in the Digital Crime Scene Challenge.

The Northrop Grumman Foundation and our other sponsors have planned for a world class event. Leading up to the competition the Competitors will interact with our sponsors' cyber professionals. A Competitors' Dinner will be hosted by Northrop Grumman so that Competitors will have a chance to mingle with their peers and meet CyberPatriot sponsors. Door prizes for the dinner will include cameras, backpacks, and an iPad Mini, all graciously provided by our sponsors.

On Saturday, March 29, the competition will end with the Awards Banquet. Top teams will be awarded scholarships and awards and begin to head for home. For information on visiting the National Finals Competition go to [www.uscyberpatriot.org](http://www.uscyberpatriot.org).

## Upcoming Events

CP-VI National Finals Competition:  
March 26-30, 2014

CP-VII Registration: Open April 1

## Features

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*Do you have what it takes to win the cup?*



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## Embry-Riddle Aeronautical University Offering \$5,000 Scholarship to CyberPatriot Competitors

Embry-Riddle Aeronautical University will award a merit scholarship in the amount of up to \$5,000 per year of attendance to high school seniors who are active members of a CyberPatriot team at any high school in the country or its territories. Each student who applies for the scholarship must meet the regular academic requirements for admission, as well as meeting requirements for scholarship retention.

To apply for one of the Embry-Riddle Aeronautical University CyberPatriot scholarships:

- Complete an Embry-Riddle Aeronautical University CyberPatriot Scholarship Application (including essay on CyberPatriot involvement—500 words or less)
- Complete an Embry-Riddle Aeronautical University application for admission
- Submit a high school transcript which should include, at minimum, the grades from the final semester/marking period of the junior year
- Submit all SAT and/or ACT test scores

Your completed application must be received **no later than March 15th** of your senior year. We request that you return the ABOVE REQUIRED MATERIALS to the address below. If Embry-Riddle has already received your application for admission, please indicate this on your scholarship application.

Undergraduate Admissions  
Attn: CyberPatriot Scholarship Committee  
Embry-Riddle Aeronautical University  
3700 Willow Creek Rd.  
Prescott, Arizona 86301

If you have any questions, please contact: Sara Bofferding at 800-888-3728 or [sara.bofferding@erau.edu](mailto:sara.bofferding@erau.edu).

Click [here](#) or visit [www.uscyberpatriot.org](http://www.uscyberpatriot.org) to download the application.

## The Cyber Crime Scene Challenge is Here!



You've been hearing about it for months, but now it's finally here! On March 28, the National Finalist Teams will put on their detective hats as they search for clues in the Cyber Crime Scene Challenge, presented by the US Cyber Crime Conference. This challenge will count for 10 percent of the teams' final scores.

The US Cyber Crime Conference is set for April 27 to May 2, 2014. The event will be held at the National Convention Center in Leesburg, Va. CyberPatriot participants, Coaches, Mentors, and sponsors are encouraged to attend!

For more information, visit <http://www.usacybercrime.com/>.



## Cyber Defenders by Day, Heroes by Night: Members of Colorado Springs Cadet Squadron Save Man's Life



Photo courtesy of the U.S. Air Force

A missing 66-year-old Kansas man suffering from Alzheimer's Disease was found alive in Colorado following a six-county search after the man's SUV got stuck in a field over the weekend, and it's all thanks to the members of the Colorado Springs Civil Air Patrol Squadron (CSCS).

The CSCS ground team, led by Lt. Col. Bill McNeely, included three cadets (and CyberPatriot Competitors): Cadets Kyle Fields, Carlin Idle and Samuel Tschappler. "I had three qualified cadets with me, 16- and 17-year-olds," said McNeely. "I only take my older cadets on actual missions. I know they're trained and they'll do a good job."

CAP provides search and rescue services nation-wide using its own aircraft in conjunction with trained ground teams. CAP is the official U.S. Air Force auxiliary and is open to all U.S. citizens age 12 and older.

### The CyberSentinel

**Publisher**  
Bernard K. Skoch

**Editor**  
Francis S. Zaborowski

**Assistant Editors**  
Ryne Smith  
Rebecca Dalton

**CyberPatriot Program Office**  
1501 Lee Hwy Arlington, VA 22209  
[www.uscyberpatriot.org](http://www.uscyberpatriot.org)



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## Open Division National Finalists



### Alamo Academies

**Location:** New Braunfels, TX  
**Coach:** Sandi Boyd

#### Team Members

Sean Johnson  
Stephen La Rosa  
Jason Mirch  
Adrian Lotz-Rayl  
Dorian Rosales  
Andrew Wheeler

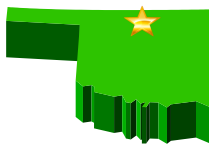


### Central Tech

**Location:** Cushing, OK  
**Coach:** Nick Gaunt

#### Team Members

Paige Booth  
Matthew Cundiff  
Jesse McIntyre  
Brodie Snover  
Jake Buzzard  
Michael Inge

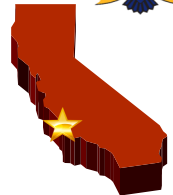


### El Segundo High School

**Location:** El Segundo, CA  
**Coach:** Jennifer Cho

#### Team Members

Victoria Chu  
Henry Smith  
Luke St. Regis  
Ian Hurd  
Ardian Osorio  
Joshua Crook



### Grissom High School

**Location:** Huntsville, AL  
**Coach:** Christine Sutton

#### Team Members

James Brahm  
Angela Cheng  
Christopher Lin  
Jeremy Lochner  
Matthew Rogers  
Morgan Wagner

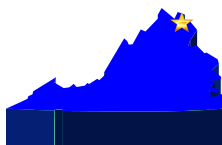


### Marshall Academy

**Location:** Falls Church, VA  
**Coach:** Jason Simeon

#### Team Members

Ramon Enrique Martinez Diaz  
Paul Benoit  
Charlie Franks  
CJ Gardner  
Kyle Hammerschmidt  
Joshua Shepard



### North Hollywood High School

**Location:** North Hollywood, CA  
**Coach:** Jay Gehringer

#### Team Members

Travis Raser  
Jake King  
Issac Kim  
Henry Birge-Lee  
Isaac Kim



*"The CyberPatriot contest is a fun and exciting way to teach and practice cyber security concepts. As a coach, I love how the contest is organized where teamwork is required in order to have any success."*

*- Nick Gaunt, Central Tech*

*"Because of this program [the students] have developed both security and leadership skills. I know they will be prepared for anything that this world can throw at them."*

*- Jason Simeon, Marshall Academy*

*"Education today often focuses on individual skills that are rarely used outside of the classroom. To be successful in CyberPatriot, students must integrate their technical and academic skills as they work together as a collaborative team to solve real world challenges. CyberPatriot is great preparation for life!"*

*- Jay Gehringer, North Hollywood High School*

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## Open Division National Finalists



### Palos Verdes Peninsula HS

**Location:** Anaheim, CA  
**Coach:** Hassan Twiet

#### Team Members

Bethany Greiner  
Russell Wakugawa  
Garrett Thomas  
Garrett Potvin  
Joseph Cooney  
Matthieu Kirkland



### Park Tudor School

**Location:** Indianapolis, IN  
**Coach:** Bryon Realey

#### Team Members

Jason Zhao  
Dan Fu  
Danny Gimeno  
Victoria Longe  
Zeba Kokan  
Douglass Boshkoff



### Rangeview High School

**Location:** Aurora, CO  
**Coach:** Randy Mills

#### Team Members

Lucas Nicodemus  
Jacob Johnson  
Luke Robinson  
Nathan Teeter  
LeeAnn Wilson  
Savannah Clemente

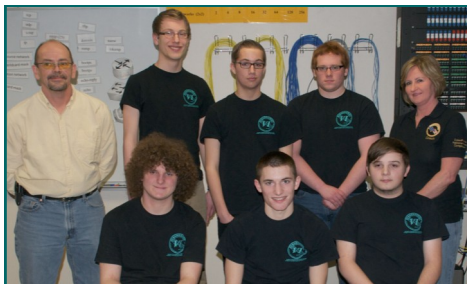


### Sisler High School

**Location:** Winnipeg, Manitoba, Canada  
**Coach:** Charles Bazilewich

#### Team Members

Michael Czen  
Ajit Matharoo  
Devyn Hrechkosy  
Jarren Mercado  
Arran Retzlaff

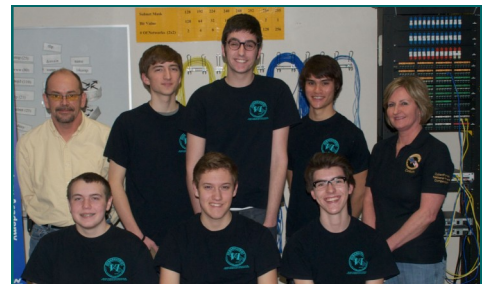


### Summit Technology Academy (Kernel Panic)

**Location:** Lee's Summit, MO  
**Coach:** Lisa Oyler

#### Team Members

Dalton Campbell  
Justin Nitz  
Jesse Roberts  
Jason Cain  
Glenn Banhart  
Henry Londre'



### Summit Technology Academy (Team Sudo)

**Location:** Lee's Summit, MO  
**Coach:** Lisa Oyler

#### Team Members

Brian Green  
Ben Wolff  
Cooper Leabo  
Logan Cousins  
Jason Pucilowski  
Cliff Martin



*"CyberPatriot has been an essential component to the success of our Network and Cyber Security Academy at Sisler High School. It provides an opportunity for students to engage in project-based learning that promotes student collaboration in a team environment. CyberPatriot has been the driving force in our program that inspires students to attend post secondary programs in computer science and network security."*

- Charles Bazilewich, Sisler High School

*"CyberPatriot has brought a new vigor to computers and programming to Rangeview. These young people are leaders in our building, and they daily show the value that this program has brought to their lives. The hundreds of hours they devote to learning is unmatched, and their skills reflect the time and attention to learning. These students are truly the future of computing and it looks very bright. It is an honor to be their coach, and I am inspired by them every day."*

- Randy Mills, Rangeview High School

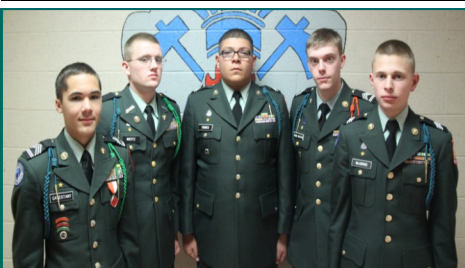


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## All Service Division National Finalists



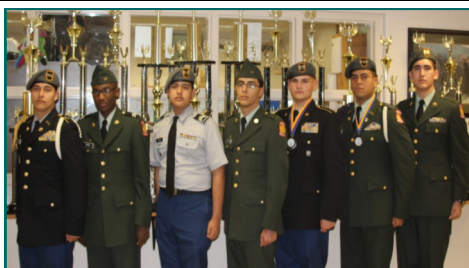
### Buena High School

**Location:** Sierra Vista, AZ  
**Coach:** Fausto S. Valenzuela



#### Team Members

Cody Iwertz  
Ryan Gann-Martin  
Alex Torres  
Jose Capestany  
Andrew McGinnis



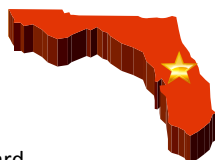
### Winter Springs High School Bear Battalion

**Location:** Winter Springs, FL  
**Coach:** Michael Constantino



#### Team Members

Giovanni Roman-Diaz  
Cody Villalobos  
Richard Whitmer  
Carlos Rivera  
Marcangy Cange  
Christian Campana-Emard



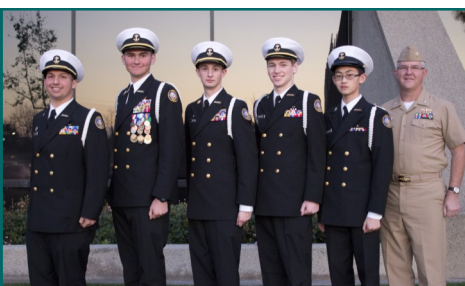
### Patrick Henry High School

**Location:** San Diego, CA  
**Coach:** John Wood



#### Team Members

Noah Geilenfeldt  
Sirena Marx  
Diontre Range  
Jessica Plein  
Bryan Hayes  
Ian Rodney



### Troy NJROTC

**Location:** Fullerton, CA  
**Coach:** Allen Stubblefield



#### Team Members

Ben Dillon  
John-Michael Linares  
Matt Sprengel  
Victor Chen  
Robert Edwards



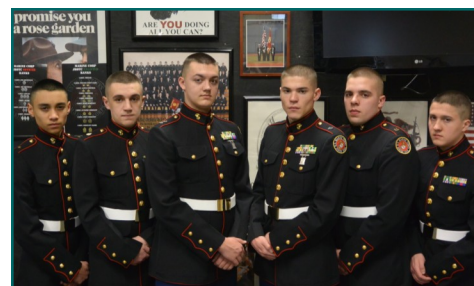
### Marine Military Academy

**Location:** Harlingen, TX  
**Coach:** William Beckman



#### Team Members

Dylan Che  
Daniel Fago  
Drew Hopkins  
Jose Rodriguez  
George Zenner



### Montachusett Regional Vocational Technical School

**Location:** Fitchburg, MA  
**Coach:** Paul Jornet



#### Team Members

Connor Quick  
Jack Marabello  
Brett Grant  
Leon Gualin  
Jamison LaRoche  
Patrick Arakelian



*"These young people are the future."*

*- John Wood, Patrick Henry High School*

*"The CyberPatriot competition challenges young Americans to resolve real-life cybersecurity situations faced by industry professionals today. It encourages them toward careers in science, technology, engineering, and mathematics and exposes them to new elements of the many career opportunities available to them."*

*- Fausto Valenzuela, Buena High School*

*"As a technical high school, it is important for students to develop pathways from the classroom to the workforce. AFA's CyberPatriot competition has highlighted the critical shortage of trained cyber security personnel in both industry and national defense. Through instruction, competition and mentorship CyberPatriot has educated my students on the skills needed to succeed in the cyber security industry. My students are committed to taking on the challenges of cyber security in both their personal lives and as part of the national workforce."*

*- Paul Jornet, Monty Tech*

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## All Service Division National Finalists



### Clearfield High School / UT-081

**Location:** Clearfield, UT  
**Coach:** Kit Workman

#### Team Members

John Maxfield  
Kincaid Savoie  
Drex Beckman  
Zach Sharkey  
Shay Perkins  
Nate Bertoldie



### Lee's Summit North High School

**Location:** Lee's Summit, MO  
**Coach:** John Deese

#### Team Members

AJ Baker  
Michaela Ditterline  
Mitchell Bruce  
Sam Galarnyk  
Chris Asmus



### Beach Cities Cadet Squadron 107 Knights

**Location:** San Pedro, CA  
**Coach:** Mark Williams

#### Team Members

Anthony Bruno  
Jamie Poulos  
Miguel Rojas  
Justin Pang  
Issac Pang  
Zachary Gardner

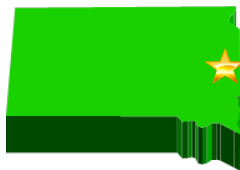


### Big Sioux Composite Squadron

**Location:** Brookings, SD  
**Coach:** Tyler Gross

#### Team Members

Josh Klosterman  
Chris Dinnel  
Zeb Nelson  
Laura Rudnik



### Centurion Battalion

**Location:** Longwood, FL  
**Coach:** Ken Steffey

#### Team Members

Peter Steffey  
Charles Fisher  
Jesse Rodriguez  
Jordan Hosein



### Fort Fisher Division

**Location:** San Diego, CA  
**Coach:** Joseph Gombos

#### Team Members

Emmanuel Crawford  
Steven Strickland  
Mariel Bongolan  
Joaquin Swift  
Nick Winham



*"Watching these young men and women learn and grow is a distinct privilege. I am immensely proud of the progress they have made and the skills they have learned. CyberPatriot gives them all a brighter future, and for this we are extremely grateful."*

- Joe Gombos, Fort Fisher Division

*"It has been great to see this competition grow, and what it does for these kids. We are proud to be back to the finals of this prestigious competition."*

- Kit Workman, Clearfield High School

*"It has been amazing to watch the explosive growth of CyberPatriot these past five years. The Air Force Association and the Corporate Sponsors have been marvelous to work with. It is inspiring for students of MO-952 to participate and be mentored by the professionals in cybersecurity. We have worked hard to reach the Nationals and look forward to competing with and learning from the best of the best!"*

- John Deese, Lee's Summit North High School



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## All Service Division National Finalists



### Parkway High School / LA-071

**Location:** Bossier City, LA  
**Coach:** Bob O'Brien

#### Team Members

Jasper Sinagra  
Brian Thiessen  
Josh Hardacre  
Austin Carr  
Chas Chapman  
John Metz



### Colorado Springs Cadet Squadron

**Location:** Colorado Springs, CO  
**Coach:** Bill Blatchley

#### Team Members

Darius Hines-Cross  
Christopher Ottesen  
Victor Griswold  
Carlin Idle  
Caleb Goerke  
Amanda Church



## Thank You, CyberPatriot Sponsors!

The Air Force Association (AFA) is pleased to recognize the ongoing support of Presenting Sponsor the Northrop Grumman Foundation, and Cyber Silver sponsor MIT Lincoln Laboratory, as both organizations have renewed their support of CyberPatriot!

### **NORTHROP GRUMMAN** *Foundation*

The priority of the Northrop Grumman Foundation is to provide unique education experiences related to science, technology, engineering, and mathematics (STEM) for students and teachers. The Foundation supports diverse and sustainable national-level programs that enhance the education experience for students and provide teachers with the training and tools they need to be successful in the classroom. The Foundation has been supporting CyberPatriot since 2012.

### **LINCOLN LABORATORY** MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MIT Lincoln Laboratory is a federally funded research and development center that applies advanced technology to problems of national security. Its research and development activities focus on long-term technology development as well as rapid system prototyping and demonstration. The organization has supported CyberPatriot since 2011.



Thank you to Cisco for generously donating \$25,000 to CyberPatriot in addition to its Cyber Diamond sponsorship! The support from Cisco and our other sponsors is making our program growth possible!



## Middle School Division National Finalists



### Beach Cities Cadet Squadron 107 Knights

**Location:** San Pedro, CA  
**Coach:** Mark Williams

#### Team Members

Harmont Grenier  
Amy Ross  
Alfredo Corrales  
Steve Velazco  
Roberto Munoz  
Alejandro Munoz



### Marine Military Academy

**Location:** Harlingen, TX  
**Coach:** William Beckman

#### Team Members

Trevor Hanks  
Maxime Dowla  
Giovanni Hernandez  
Giancarlo Hernandez



*"The Middle School Division is an excellent addition to the CyberPatriot program. To engage students at this level will allow them the chance to explore career options before entering high school. This also provides them the opportunity to learn about the importance of teamwork, analytical skills, leadership, and self discipline to their future success."*

*- Mark Williams, Beach Cities Cadet Squadron 107 Knights*

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## Sponsor Profile: Riverside Research

CyberPatriot is pleased to announce the addition of Riverside Research as a CyberGold Sponsor, providing \$50,000 worth of donations and in-kind support to the program! Riverside Research is an independent 501(c)(3) not-for-profit organization chartered to advance scientific research in support of the United States government. Comprising leading engineering, technology, and operations experts, Riverside Research strives to consistently deliver trusted, mission-focused solutions in defense and intelligence, computing and cybersecurity, biomedical sciences, and education and training.



"As a not-for-profit company chartered to advance scientific research in the public interest and in support of the United States government, Riverside Research is proud to sponsor the Air Force Association's CyberPatriot National High School Cyber Defense Challenge," said Richard Annas, company president. "This STEM event is a fantastic way to engage, educate, and excite students to play an active role in keeping America strong, safe, and free by securing our nation's cyberspace."

Riverside Research's centers of technical excellence move science from the laboratory to the field for the benefit of our nation. From public service to national security, they aspire to be a valued partner to their sponsors and to earn their trust through unwavering commitment to achieve timely, innovative, cost-effective, and mission-focused solutions.

Welcome aboard, Riverside Research, and thank you for your generous support! We are happy to have you on our team!

## Start Your Legacy Now: Join the Northrop Grumman Intern Program

An internship at Northrop Grumman Corporation is unique. You will learn new skills, explore our enterprise, network with experts, connect with thought leaders, and finish with a resume that opens doors. CyberPatriot interns are the future of our nation's workforce. You'll work side by side with our cyber pros to learn more about the career field and how important this specialty is to our national security.

Here are the basics:

- For college level internships we typically look for rising sophomores, juniors, seniors, and graduate students at accredited colleges and universities
- We look for high potential students of all grade levels and have internship opportunities for high school students
- Work assignments typically begin in May/June and end in August/September. There are some opportunities for interns to stay on in a part-time internship capacity year round
- Included in many of our intern programs are orientation and kick-off events, networking opportunities with leadership and other interns, social activities, and learning sessions
- We also offer cooperative education opportunities, or co-ops. A co-op is slightly different from an internship in that your school decides the terms and works with us throughout the experience. Co-ops may earn credit plus an hourly wage, and they are not limited to the summer months

For more information about the intern program go to: <http://www.northropgrumman.com/Careers/StudentsAndNewGrads/Pages/Cyberpatriot.aspx> or keyword search "CyberPatriot" at [https://ngc.taleo.net/careersection/ngc\\_coll/jobsearch.ftl?lang=en](https://ngc.taleo.net/careersection/ngc_coll/jobsearch.ftl?lang=en) to find opportunities near you.

## Time To Pass the Torch...

Here are the CP-V National Champions a final time before the new CP-VI winners are crowned.



CyberPatriot V Open Division Champions: Chantilly Academy, coached by Joan Ozdogan (Chantilly, Va.). The team members received the President's Cup and a \$12,000 scholarship check from Northrop Grumman.



CyberPatriot V All Service Division Champions: Marine Military Academy, coached by Bill Beckman (Harlingen, Tex.). The team members received the Commander-in-Chief's Cup and a \$12,000 scholarship check from Northrop Grumman.

### Presenting Sponsor



### Cyber Diamond



### Cyber Gold



### Cyber Silver



### Founding Partners

