SEDS in the United States

Alan Smith
At Large Board Member, SEDS-USA
University of Colorado SEDS
Solidarity Through Recognition.
Foundations

- Founded in 1980 by Bob Richards, Peter Diamandis, and Todd Hawley at MIT, Princeton University, and Yale University

- Bob has pursued many ventures in space including co-founding the International Space University (ISU) and the Google Lunar X-prize corporate team Moon Express

- Peter has led an equally entrepreneurial path and is most notably known for his work with the X-prize Foundation
Leadership

Board of Directors (BoD)
- Meets weekly to direct the organization
- Proposes projects, budgets, and partnerships
- Ensure the needs of SEDS chapters are addressed

Board of Advisors (BoA)
- Approves BoD financial decisions
- Provides valuable insight, credibility, and networking

Staff and Volunteers
- Manage project development and implementation

Council of Chapters
- Provide direct feedback to national leadership from each chapter
- A forum for collaboration on various projects, ideas, and direction
Leadership (Board of Advisors)

- William Pomerantz, Virgin Galactic
- Bob Richards, Moon Express
- Chris Lewicki, Planetary Resources
- Peter Diamandis, X-Prize Foundation
- James Muncy, Polyspace
- Alan Ladwig, To Orbit Productions
- Carissa Christensen, Tauri Group
- Barrett Caldwell, National Space Grant Foundation
- Ben Brockert, Able Space Co.
- Ryan Mclinko, Planet Labs
- Brad Cheetham, University of Colorado Boulder
- John Gedmark, Commercial Spaceflight Federation
- Lori Garver, Airline Pilot’s Association
Leadership (Board of Directors)

- Chair: Hannah Kerner
- Vice-Chair: Zach Pace
- Secretary: Miekkel Clarkson
- Treasurer: Audrey Horn
- CoC Chief: Charlie Cain
- At Large Members: Alan Smith and Andrew Newman

The BoD maintains weekly meetings throughout the year
Leadership (Staff)

• SEDS-USA is only possible because of a large group effort from many dedicated individuals.

• Volunteer staff member positions include
  ➢ Executive Director: John Conafay
  ➢ SpaceVision Directors
  ➢ Business Plan Competition Manager
  ➢ Rocketry Competition Manager
  ➢ Webmaster
  ➢ Alumni Coordinator
  ➢ Systems Administrator
  ➢ Creative Manager
  ➢ Industry Advisor
  ➢ Space Talks Director
SpaceVision

Past keynotes
- Elon Musk
- Bill Nye
- Charlie Bolden
- Lori Garver
- Peggy Whitson
- Bob Richards
- Peter Diamandis
SpaceVision 2014
SpaceVision 2015

- SpaceVision 2015 will take place in Boston, MA this fall, hosted by Boston University SEDS.
Keystone Projects
Student Business Plan Competition

- Co-organized with Space Frontier Foundation
- Student teams pitch their ideas for a scalable business startup relevant to the space industry
- Judges are a panel of investors experienced in NewSpace business and entrepreneurship
- Grand Prize for 2014
  - One year of virtual incubation through the California Space Enterprise Center and Green 2
  - One year of membership in Space Entrepreneur, Inventor and Innovator Program of the Space Enterprise Center
  - $1000 dollar cash prize sponsored by Zveznet Industries
  - Trophy featuring a meteorite from Aerolite Meteorites, LLC sponsored by Standard Propellant
High Altitude Balloon Challenge

High Altitude Balloon Competition
• Build a 6 lb payload for a high-altitude balloon launch
• Inexpensive hands-on exploration platform
• Provides the ability to test scientific payloads

Outreach Program Spinoff
• Engaging for primary school students
• Inexpensive “access to Space”
Satellites Around Mars

- An opportunity to gain experience solving an important problem in space exploration: **Communications Systems**
- Industry professionals and mentors are provided to each team to aid in design review.
- Students will design a system of communication satellites to:
  - enable both robotic and manned exploration within a 20 to 30 year timeline.
- Ten teams will compete to win over $1,500 in sponsored prizes and high-profile industry presentations at SATELLITE 2016 and elsewhere.
SpaceTalk

SpaceTalks are live events where students from around the country can interact with industry leaders and professionals

- 30 minute presentation by each SpaceTalker
- 30 minutes Q&A session
- Occurs most every month
- All SEDS members can participate

Previous notable SpaceTalkers
- Will Pomerantz, Virgin Galactic
- Charles Miller, NextGen Space
- Clay Anderson, NASA Astronaut
Undergraduate Student Rocketry Competition

- Annual competition founded 2010
- For inclusion of teams with no prior rocketry experience
- Design, build, and launch a multi-stage rocket carrying a payload of 0.50 lb to 3000 ft
- Full engineering documentation required
- Funded by local chapters
- Cash prize for first-place winners
- Competition
Policy Advocacy

As a space advocacy group, SEDS has made partners to help maintain and improve the state of relevant funding on Capital Hill.

- **Partners in Advocacy**
  - STEM on Capital Hill
  - Alliance for the Development of Space
  - Space Exploration Alliance

- **Policy initiatives**
  - March Storm
  - SEA Blitz
Scholarship Opportunities

- Open to **ALL** international SEDS members. Awards are valued at $2000, or around £1400

- Bob Richards scholarship through peace from Space

- Peter Diamandis Bold Space Entrepreneur Scholarship

More information can be found at [Seds.org](http://Seds.org)
Partnership with SpaceNews

SpaceNews is a well respected publisher of all things Space! They have graciously offered to provide FREE subscriptions to ALL (international) SEDS members!

To participate, please inform me of at alan.smith@seds.org
1. Email address
2. Name
3. University affiliation (UKSEDS Branch)
Thank you!

From our space family to yours.