

Bill_Regli_DARPA

Send a paragraph to Harlan to share with DARPA

Came out of Sputnik... A "how could we miss that?" response

See the 2016 DARPA conference on ideas:
Sep 9-11 2015 "Wait, What?" conference

6 Offices -- each with program managers

- Program BAA - what's being done
- "Seedling" ideas -- crazy ideas

Use-inspired basic research.

Heilmeier Questions (catechism)

What are you trying to do? Articulate your objectives using absolutely no jargon.
How is it done today, and what are the limits of current practice?
What is new in your approach and why do you think it will be successful?
Who cares? If you are successful, what difference will it make?
What are the risks?
How much will it cost?
How long will it take?
What are the mid-term and final "exams" to check for success?

Can find out what is happening at DARPA at:
<https://www.fbo.gov> -- FedBizOpps

"disruptive nature" of an idea

Lisa Zurk - Strategic Technology Office
Portland State Acoustics

sensor systems
station-keeping capacity (maintaining a fixed position)

remote sensing
 aircraft
 satellites
 ships and satellites

Meeting with EOS

Marc Lessard - Korean "Sigma" cubsat - magnetometer -- needs boom on the Cubesat
LED Telemetry -- inner spacecraft communication

Swarm communication in space -- TTO, Harlan -> FRED, Lynsey Mallard

GOES16 - High energy radiation

Jim Ryan - Mark and Peter
Sensitive neutron gamma image neutron detector

Remote Sensing stratospheric winds lidar - -how to get it on to a space platform
NOAA - 3d wind vector map of globe

Noeh

ARCTIC

Ryan Pierce ITO (formerly at DARPA)

Seedlings

Arctic or Deep Sea

Jichun Zhang - Van Allen Probes

CubeSat - constellations

Position instrument - Joe Dwyer

nuclear detonation in space?

sensors good enough to figure it out.