

Empowering Informal Educators to Prepare Future Generations in Wireless Radio Communications with Mobile Resources | AWARD # 2053160



Audience & Settings

Audience: Informal STEM educators, youth, and the general public.

Discipline type: General STEM; Engineering

Learning environment: Museums, science centers, camps, and community spaces.

Community Partners: Tara Henderson (Explora) thenderson@explora.us; Steve Scholle, David Knuden, Museum of Life & Science, Steve.Scholle@lifeandscience.org; Sciencenter; Columbia Memorial Space Center. **PIs:** Sherry Hsi (BSCS), shsi@bscs.org. **Co-PIs:** Darrell Porcello (Children's Creativity Museum/NISE Net) porcello@gmail.com, HyunJoo Oh (Georgia Institute of Tech.)

Project website: RadioEverywhere.org

Project Description

Resources for informal STEM educators to raise awareness and build understanding of radio frequency communications and WiFi technologies for youth, families, and the general public.

Key Achievements

- A codesign process to promote high quality materials design and development
- Radio activities in English & Spanish; Storylined youth radio and electronics camps; Online community of practice for educators
- Mobile apps with interactive radio concepts; Summative evaluation.



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Key concepts in the science, engineering and social impacts of radio frequency technologies:

- Radio is everywhere and all around us.
- Radio waves carry information.
- Radio waves transfer energy.
- Radio is a scarce resource.
- Radio is changing us.
- Radio is part of our society and our future.



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