**Main Contact Employer and Title:**Chap Research - CEO

**Title of Proposed Presentation:** Chap Research: A Framework for Innovation

**What track, or theme, best fits your proposal? \***

Technical (designing, programming, building, etc.)

Non-Technical (team management, fundraising, mentor/coach resources, etc.)

Alumni (college preparation, internships, scholarships, careers, etc.)

Other:

**Provide a description of your presentation. \* (348/350 char)**

Rachel Gardner, 16 year-old CEO and founder of Chap Research, will tell how several students developed and patented the ChapR (an FTC/FRC remote control). She will touch upon the lessons learned while expanding the product into an innovation program and explain why this kind of experience is a worthy and attainable goal at the high school level.

**How will participants benefit from this session? \* (326/350 char)**

Attendees will hear the story of Chap Research and how it has established a framework for students to apply the innovation skills learned from FIRST to other disciplines beyond robotics. Learning from the mistakes and successes involved, attendees will gain knowledge and insight they can apply within their own teams/schools.

**Provide a general outline of the content you plan to cover in your presentation. \***

Background information – what is Chap Research

Brief history – development of the Chap Remote, patent application, founding of Chap Research, current projects

Lessons learned – impact of program, mistakes, how to do it better given another opportunity (including video interviews)

Future – succession planning, motivate teams/schools to create their own innovation groups

**Please list previous public speaking experience.**

Chairman’s presentation at a regional and championship level (and for the local school board)

Pitch training (speaking about the robotics team in front of 30 mentors and students)

Presentations at local FIRST conferences (roughly 20 people)