

A close-up, slightly angled view of Captain America's shield. The shield is circular with a red outer ring, a white middle ring, and a blue center containing a white five-pointed star. The shield has a metallic, weathered appearance with some scratches and discoloration.

CAPTAIN AMERICA'S SHIELD, SPIDERMAN'S WEB
AND
THE FUTURE OF MATERIALS SCIENCE
AND ENGINEERING:

LESSONS FROM SUPERHEROES
AND SUPER-VILLAINS

JOIN US on MARCH 4, 2021 at 6:00PM (PST)

MATERIALS have been the backbone of technological and military advancement for thousands of years, with whole time periods being named after them (Stone Age, Bronze Age, Iron Age).

PERHAPS IT'S NO SURPRISE that advanced materials such as Captain America's shield, Wolverine's claws and Spider Man's web have been key components in comic book mythos and are widely recognized. These stories often highlight the core concepts of Materials Science and Engineering, which studies the processing/structure/property/performance relationships of the stuff that makes up the world around us.

FOR THIS PRESENTATION, we will learn of the rich history of materials science from comic books, movies and science fiction, and discuss the newest scientific breakthroughs in research that make materials stronger, lighter, smarter.

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THIS EVENT WILL BE RECORDED.