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## Science Highlights from the Swarm Electric Field Instruments

*Tuesday, 12 June 2018 12:00 (15 minutes)*

After four years in orbit, the Swarm Electric Field Instruments have contributed to dozens of scientific studies on topics that include the electrodynamics of auroral arcs, supersonic flow channels associated with region 1/2 currents and sub-auroral ion drifts, polar cap patch dynamics, Poynting flux, and magnetosphere-ionosphere coupling via Alfvén waves. This talk will overview capabilities and accomplishments of these instruments and highlight future opportunities as the Swarm mission is extended into the next four years.

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