



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 4609

Type: **Plenary Speaker / Conférencier(ère) plénier(ère)**

Dragonfly: A Rotorcraft Lander at Titan

Friday 31 May 2024 08:15 (45 minutes)

On June 27, 2019, NASA announced its next New Frontiers mission: Dragonfly. This audacious mission will send a rotorcraft to explore Saturn's largest moon Titan, and evaluate its potential for prebiotic chemistry and (possibly) extraterrestrial life. The Dragonfly mission will also give us countless high-resolution views of this strangely Earth-like moon, showing us how rivers and sand dunes form on an icy moon with a thick atmosphere. In this presentation, I will provide a summary of the history of the Dragonfly mission, its scientific goals, and the next steps forward, from launch in 2028 to landing in the mid-2030s.

Keyword-1

Dragonfly Mission

Keyword-2

New Frontiers

Keyword-3

Primary author: Dr NEISH, Catherine

Presenter: Dr NEISH, Catherine

Session Classification: F-PLN1 Plenary Session | Session plénière - Catherine Neish, Western U.

Track Classification: Herzberg Public and Plenary Talks / Conférenciers des sessions Herzberg et plénières