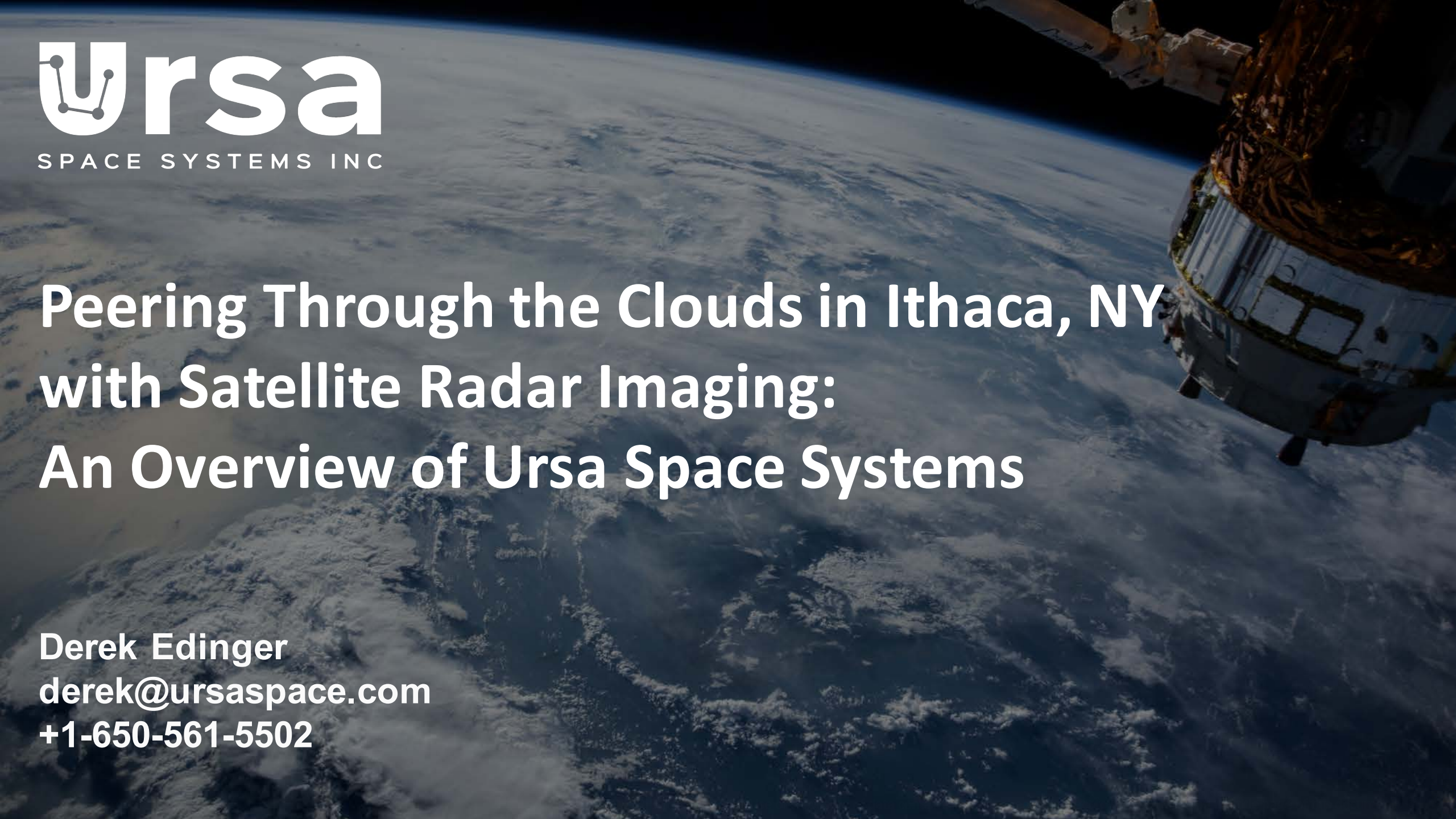

Ursa
SPACE SYSTEMS INC

Peering Through the Clouds in Ithaca, NY with Satellite Radar Imaging: An Overview of Ursa Space Systems

Derek Edinger
derek@ursaspace.com
+1-650-561-5502

Applications

City Growth + Change
Track construction rate, urban development and more

Environmental Monitoring
Detect deforestation

Business Patterns
Count cars in parking lots

Disaster Response
Prioritize first responders efforts and assess damage

Agricultural Insight
Understand crop types, health, and more

Maritime Surveillance
Track ships
Monitor ocean spills

Offshore Weather
Determine wind speed, direction, and wave height

Commodities Piles
Measure change in stockpiles

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Ursa Team

Adam Maher
Founder &
President

Evan Kurtz
Co-founder &
Payload Lead

Julie Baker
Co-founder &
Data Platform Lead

Derek Edinger
Co-founder &
Satellite Lead

Zackary Downey
Software Engineer &
Data Analyst

Mat DePasquale
Senior Software
Engineer

Brian Barris
Senior DSP/SAR
Engineer

Alec Mitchell
Market Analysis
Lead

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2015-2016 Interns

Hailee Hettrick
Spacecraft Engineering

Makayla Roof
Image Analysis

Drew Walters
Spacecraft Engineering

Funded by NY Space Grant

Luke Reisch
Software / Data Analysis

Ronan Perry
Software / Image Analysis

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2016-2017 VioletSAR Student Team

Ursa

Hailee Hettrick
Mechanical Configuration

Elise Yang
Mechanical Design

Doug Kaiser
Attitude Control Subsystem

CORNELL UNIVERSITY FOUNDED A.D. 1865

Joyce Cao
Power Subsystem

Padraig Lysandrou
Payload and Data Systems

Francisca Perez
Attitude Control Subsystem

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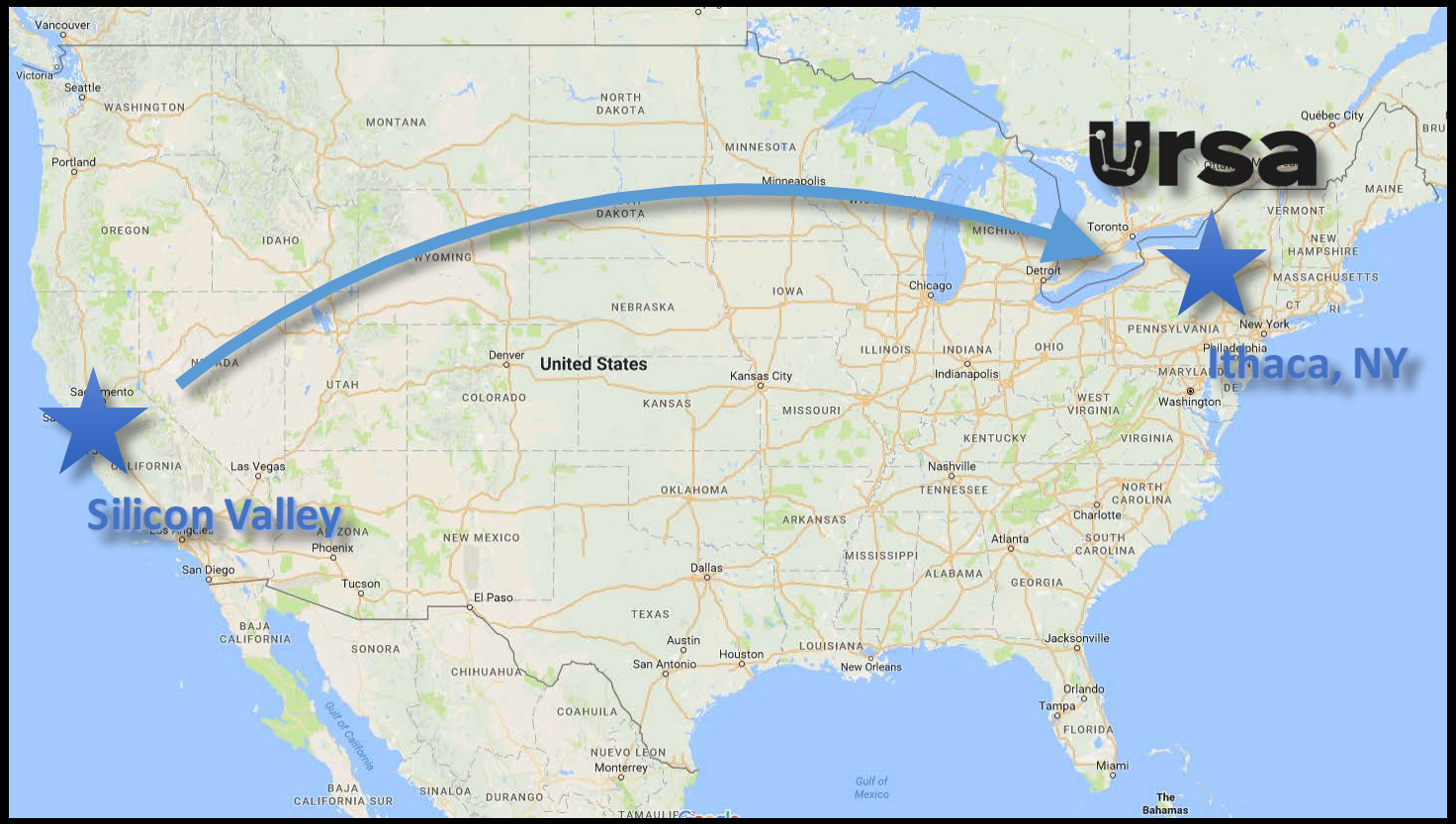
Why Ithaca?



- Cost / Quality-of-Life
- Talent / Support
- Suppliers / Customers
- Big Fish in Small Pond

- StartupNY

- Venture Capital?
- Entrepreneurial Infrastructure and Culture?

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Thank you New York and Northeast Regional Space Grant!

derek@ursaspace.com

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