X-*lites* Incubator Workshop: Structured Light at High Intensity

- ✓ Workshop Time: 9:00AM - 5:00PM ET, Feb. 6; 9:00AM - Noon, Feb. 7, 2026
- ✓ Workshop Location: Penthouse in the Desmarais building of the University of Ottawa
  Address: 12th floor, 55 Laurier Ave E, Ottawa, ON K1N 9B9
- ✓ Organized by **NSF AccelNet X-Lites project**

Workshop Day 1: Friday, Feb. 6, 2026 (eastern time)

8:00 AM	9:00 AM	Registration, Breakfast and Tech-check
9:00 AM	9:30 AM	Opening, Welcome, Overview
9:30 AM	10:00 AM	Introductions, Principles of Interaction
10:00 AM	10:15 AM	Break
10:15 AM	10:45 AM	Provocation: Creation and Diagnostics - Dr. Ebrahim Karimi
10:45 AM	11:15 AM	Provocation: Non-Relativistic Intensities - Dr. Olga Smirnova
11:15 AM	11:45 AM	Provocation: Relativistic Intensities - Dr. Francois Legare
11:45 AM	12:00 PM	Integration
12:00 PM	1:00 PM	Catered Lunch
1:00 PM	1:20 PM	Strategic Doing, Rules 1-2 Getting Ready for Table Work
1:20 PM	2:30 PM	Strategic Doing, Rules 3 - 5
2:30 PM	2:45PM	Table Report Out: Big Easy
2:45 PM	3:00 PM	Break

3:00 PM	4:00 PM	Strategic Doing, Rules 6 - 7
4:00 PM	4:30 PM	Table Report Out: Pathfinder Projects
4:30 PM	5:30 PM	Wrap up & Cocktail Hour with Cash Bar
5:30 PM	7:00 PM	Buffet Dinner

Workshop Day 2: Saturday, Feb. 7, 2026 (eastern time)

8:00 AM	9:00 AM	Breakfast and Tech-check
9:00 AM	9:30 AM	Resonance Checking
9:30 AM	10:30 AM	Open Space
10:30 AM	10:45 AM	Break
10:45 AM	11:15 AM	Strategic Doing, Rules 8-10
11: 15 AM	11:45 AM	Table Report Out: Strategic Doing Maps
11:45 AM	12:00 PM	Wrap up
12:00 PM	1:00 PM	Boxed Lunch

(All officially planned activities conclude by noon. The activities below are optional for those who are interested.)

2:00 PM	4:00 PM	Lab Tours Advanced Research Complex - Extreme Photonics Labs (Boyd, Corkum, Chang and others)

Optional Day 1: Thursday, Feb. 5, 2026 (eastern time)

Location: National Research Council of Canada, 100 Sussex Dr, Ottawa, ON K1N 1J1

10:00 AM	12:00 PM	Lab Tours Attosecond Science and Ultrafast Quantum Photonics facilities
12:00 PM	2:00 PM	Lunch
2:00 PM	6:00 PM	Science Presentations

1. Jiro Itatani - Mid-IR–Driven Harmonic Generation in Water Jets under Extreme Conditions
2. Raoul Trines - Laser high-harmonic generation in plasma: the new beat wave
3. Misha Ivanov - Attosecond Quantum Optics and Tortured Super-Radiance
4. Laura Cattaneo - High Hamonic Generation from Liquid Crystals: a close look to phase transition
5. David Ayuso - Shaping light in 3D for efficient chiral sensing and manipulation
6. Olga Smirnova - Chirality in time: From Topological Bands to Spin Selectivity in light-driven chiral molecules
7. Karl Krushelnick - High intensity laser-plasma interactions using OAM beams at the University of Michigan

Optional Day 2: Monday, Feb. 9, 2026 (eastern time)

Location: Advanced Research Complex, University of Ottawa, 25 Templeton St, Ottawa, ON K1N 7P6

9:00 AM	12:00 PM	Science Presentations (TBD)
12:00 PM	2:00 PM	Lunch
2:00 PM	4:30 PM	Lab Tours Advanced Research Complex - Extreme Photonics Labs (Boyd, Corkum, Chang and others)