

# CaSTL – NSC Symposium Agenda

## 3 June (Sunday)

All Day | Arrivals & Stay at Ayres

## 4 June (Monday)

8:30 – 9:00	Breakfast (1201 NS2)
9:00 – 9:15	<b>Welcome &amp; Orientation</b> Welcome: Ara; Logistics: Venkat
9:15 – 12:15	<b>Lab Tours</b> Remote participants split into 4 groups; Tour Laser Spectroscopy, Wilson Ho, Ara/Eric labs; Electron Microscopy Lab; Each lab has a designated coordinator; each group has a chaperone; Each tour is about 40 min
12:15 – 1:00	<b>Boarding Bus</b> Move luggage to Bus in the parking lot;
1:00 – 3:30	<b>Bus Ride/ Box Lunch</b> Boxed lunch from Mendocino Farms and bottled water
3:30 – 5:00	<b>Set up Posters / Check-in</b> Set up posters; check-in and refresh
5:00 – 6:30	<b>Intro to NSC Research: Graphene (Lead: Jussi Toppari)</b> A group presentation by NSC team: introduction to NSC research, with emphasis on Graphene.
6:30 – 8:00	<b>Dinner</b>
8:00 – 9:30	<b>The Vision of CaSTL: Chemiscope (Lead: Kumar Wickramasinghe)</b> A panel including Ara, Wilson, Eric, George, Matt will make brief prepared remarks followed by Q&A and discussion.
9:30 -	<b>Poster Session &amp; Social</b>

## 5 June (Tuesday)

8:00 – 9:00	Breakfast
9:00 – 9:15	<b>Theme of the Meeting: What's Next? (Ara Apkarian)</b>
9:15 – 10:15	<b>NSF 10 Big Ideas (Kelsey Cook)</b> NSF funding opportunities and priorities, specifically 10 Big Ideas, quantum leap. Research opportunities for GSRs and Postdocs; Funding international collaborations.
10:15 – 10:30	<b>Broader Impacts: So What? (Danielle Watt)</b> Defining Broader Impacts and strategies to leverage your efforts for research funding. Outcome: Improve understanding of Broader Impacts.
10:30 – 11:00	<b>Break</b>

11:00 – 12:00	<b>Explaining Your Science to: Grandma, Neighbor &amp; Fox News</b> <b>Pundit:</b> Hands-on professional development session by Jon Perry on explaining your science to a diverse set of people, clearly and concisely.
12:00 – 1:00	<b>Lunch</b>
1:00 – 2:30	<b>Panel Discussion: Gold Nanoclusters, Polariton Chemistry:</b> A discussion on topics of joint interest to NSC and CaSTL. NSC and CaSTL personnel present prepared remarks (~5 min) followed by discussion and Q&A.
2:30 – 3:00	<b>Break</b>
3:00 – 4:30	<b>Panel Discussion: What is Plasmon?</b> (Moderator: George Schatz) Hrvoje Petek, Mikael Discussion on the physics of plasmon, specifically in light of new results. Detailed presentations from Hrvoje, Mickael and brief remarks by others).
4:30 – 5:00	<b>Break</b>
5:00 – 6:30	<b>Panel Discussion: What is Plasmon?</b>
6:30 - 8:00	<b>Dinner</b>
8:00 – 9:30	<b>Hot electrons, Plasmons, Photons, Fields &amp; Forces</b> (Moderator: Wilson Ho) Discussion on the physics of the junction. Brief prepared remarks by multiple faculty followed by discussion and Q&A.
9:30 -	<b>Poster Session &amp; Social</b>

## 6 June (Wednesday)

8:00 – 9:00	<b>Breakfast</b>
9:00 – 10:30	<b>Time Domain: Is CaSTL Ultrafast? (Eric Potma)</b> Panel discussion on Time domain: what was attempted, solved and to be addressed. Brief remarks by multiple faculty followed by Q&A and discussion.
10:30 – 11:00	<b>Break</b>
11:00 – 12:00	<b>Breakout Challenge Session</b> (Chemiscope, Plasmon driven chemistry and other topics) All hands grouped along multiple themes; each group to identify the best challenge to pursue and chalk out a plan. Discuss and debate the challenges and plans. Each group may identify a lead to present the challenge/plan at the afternoon session.
12:00 – 1:00	<b>Lunch</b>
1:00 – 4:00	<b>Team building, Scavenger hunt</b> (outdoor event) Preparation to present Breakout Results
4:00 – 4:45	<b>Breakout Session Outcomes: Presentations &amp; Discussion</b> Each group lead presents their challenge/plan (~5-7 minutes); Q&A and Discussion. Identify best challenge.
4:45 – 6:30	<b>Selected Student and PD presentation</b> (Poster, Research Proposal, Breakout Challenge)

	(2 poster awardees, 3 proposal awardees, 1 or 2 Breakout Challenge awardees)
6:30 – 8:00	<b>Dinner</b>
	<b>Topical Breakout Sessions (with designated leaders)</b>
8:00 – 9:00	TERS, SERS Fluctuations, Time Domain, Intro to Undergraduates, NSC-CaSTL Collaborations: Ara Apkarian
	Form multiple groups with designated leader to discuss and debate current issues.
9:00 – 10:00	<b>Awards/SP Meeting</b>
	(SP meeting agenda: brief review of the meeting; follow-up action items)

## 7 June (Thursday)

8:00 – 9:00	<b>Breakfast</b>
	<b>Heterogeneous Catalysis (Karoliina Honkala, Ruqian Wu, Hrvoje Petek, Matt Law)</b>
9:00 – 10:30	Multiple PIs and postdocs share brief prepared remarks followed by Q&A and discussion.
10:30 – 11:00	<b>Break</b>
11:00 – 12:00	<b>Closing</b>
12:00 – 1:00	<b>Lunch</b>
1:00 – 1:30	Boarding