

## About CAMP

*The Center for Advanced Materials Processing (CAMP) at Clarkson University is dedicated to developing Clarkson's research and education programs in high-technology materials processing. As one of the Centers for Advanced Technology (CATs) at New York State Universities, CAMP receives support from the Empire State Development Division of Science, Technology and Innovation (NYSTAR) for research and operating expenses. In addition, CAMP-related work receives several million dollars each year from the federal government and private industry. CAMP's research is focused on colloids and surfaces; in particular, on the production, modification and conversion of solids for which small particles, colloidal media or surfaces play an important role in the processing or the properties of the final product.*



## CMP Symposium

*August 12 - 15, 2018  
Crowne Plaza Lake Placid  
101 Olympic Drive  
Lake Placid, NY 12946  
(518) 523-9410*

### *Co-chairs:*

*S. V. Babu, Clarkson University  
Hirokuni Hiyama, EBARA  
Ashwin Chockalingam, Applied Materials  
and CMP Users Group  
Andrew Carswell, Micron and CMP  
Users Group  
Matt Prince, Intel  
Dinesh Koli, GLOBALFOUNDRIES and  
CMP Users Group  
Hari P Amanapu, IBM  
Taesung Kim, SKKU, Korea  
Paul Feeney, Versum Materials and CMP  
Users Group  
Michael Pevny, 3M and CMP Users  
Group  
Arthur Chen, NTUST, Taiwan  
Bob Roberts, Axus Technology and CMP  
Users Group*

*Dinner speaker for Monday, August 13,  
2018 will be Andrew Carsell (Micron) who  
will speak on: CMP in the Memory Space  
- from Art to Science*

*Dinner speaker for Tuesday, August 14,  
2018 will be Joseph Steigerwald, Intel  
Fellow (Intel) who will speak on: How can  
CMP extend Moore's Law?*

***Chemical-Mechanical Planarization***  
*has come to occupy a central role  
in many industrially important  
technologies. This workshop, to be held  
in a Gordon conference type format,  
will focus on several fundamental  
aspects of chemical-mechanical  
planarization including:*

- particle and colloidal aspects*
- polishing mechanisms*
- pad/conditioning behavior*
- flow characterization*
- Cu/barrier film planarization*
- STI, Nitride/Poly, etc. polishing*
- defects and post-polish cleaning*
- low-k films and integration  
issues*
- 300 mm wafer issues*
- MEMS/MOEMS*

*Invited Speakers from End users, Tool,  
Pad and Slurry manufacturers, and  
Universities will present their recent  
research results. As has been the practice  
in recent years, a poster session will be  
organized on the afternoon of August 13,  
2018.*

*Details will be posted on the bulletin  
board at [www.clarkson.edu/CAMP](http://www.clarkson.edu/CAMP) as  
soon as they are available.*

*For further information, including  
Registration and final program,  
contact:*

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**NOTE: August is prime summertime in Lake Placid. We have a block of rooms reserved until Sunday, July 22, 2018. So, please make your reservations early. We must release any unused rooms in our block by July 22. Make reservations with Crown Plaza Lake Placid using attached hotel reservation form.**

**Center for Advanced Materials  
Processing**

**Start date:** Sunday, August 12, 2018

**End date:** Wednesday, August 15, 2018

**Last day to book by:** 7/22/18

Hotel reservation form is attached and should be sent directly to the hotel. Package rates include all the meals for day and are just ten dollars more than the cost of three years ago.



**Division of  
Science, Technology  
& Innovation**

A Division of Empire State Development



**CENTER FOR ADVANCED  
MATERIALS PROCESSING  
&  
CMP USERS GROUP  
(North America)**

**announce**

**22<sup>nd</sup> International  
Symposium on**

***Chemical-Mechanical  
Planarization***

**August 12 -15, 2018**

***Crown Plaza Lake Placid  
101 Olympic Drive  
Lake Placid, NY 12946***