

## 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*  
*Andrew Carswell, Micron*  
*Matt Prince, Intel*  
*Dinesh Koli, GLOBALFOUNDRIES*  
*Hari P Amanapu, IBM*  
*Taesung Kim, SKKU, Korea*  
*Paul Feeney, Versum Materials and CMP Users Group*  
*Michael Pevny, 3M*  
*Arthur Chen, NTUST, Taiwan*

**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.**



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**

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Lake Placid, NY 12946***