

C. Barry Carter

Vice President and immediate Past-President International Federation of Societies for Microscopy, IFSM; served as MSA President 1997

The Future of TEM and why we must Remember the Past

The subject of this talk concerns the future of TEM. TEM is facing many challenges including the fact that the top-of-the-line microscopes are becoming more expensive and more complex even when they seem simpler because of the increasing use of computers and a clear affordable textbook. The techniques used by the different communities (physical sciences and life sciences) are also often converging especially for those specializing in 3D imaging, spectral imaging, low-dose imaging (we all should be) and aberration-corrected imaging. (Who is specializing in non-aberration-corrected imaging?)

Barry will illustrate the talk with some examples of work from his group and from friends. Professor Carter's field of research is Ceramic Materials so he'll use his crystal ball to suggest some potential directions that TEM as a whole might follow in the next few years, and in so doing explain the title.

The Northern California Society of Microscopy invites you to its spring meeting hosted by the San Joaquin Delta College Microscopy Program in Stockton, CA.

3 - 3:30 pm Checkin at the Delta College Microscopy Building

3:30 - 5:30 pm Posters

Mini Platform Presentations

Vendor Displays

6 - 6:50 pm Dinner - featuring the SJDC Culinary Arts Program

7 - 8 pm MSA Featured speaker:

C. Barry Carter

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RSVP: info@ncsmicroscopy.org by April 11.

Late responders cannot enjoy the dinner.

Buffet Dinner

Garden Salad with Sherry Basil Vinaigrette

Roast Chicken with sundried tomato sauce and Grilled Delta Asparagus

Local Spring Vegetable Saute

Potato Gnocchi with mushrooms, vegetables and sage cream