

**Bio:**

Mayya Tokman is an assistant professor of applied mathematics and a member of the founding faculty of the new campus of the University of California in Merced. Her research interests include scientific computing, mathematical modeling, and numerical analysis with applications in astrophysical and laboratory plasma physics and cell biology. Tokman completed her undergraduate education at UCLA in 1995 and graduated with a Ph.D. in Computational and Applied Mathematics from Caltech in 2001. From 2001 to 2005 she held positions of a Visiting Assistant Professor and a Visiting Researcher at the Department of Mathematics of the University of California, Berkeley. Tokman's awards include DOE's Computational Science Graduate Fellowship (CSGF, 1996-2000), Howes Scholarship (2001), Marshall N. Rosenbluth Outstanding Doctoral Thesis Award from the American Physical Society (2002). In 2005/2006 academic year Tokman served in the Bureau of the Oceans, Environmental and Scientific Affairs at the US Department of State as an American Association for Advancement of Science (AAAS) Policy Fellow.

**Talk Title:**

Building Exponential Integrators to Solve Large Stiff Systems of Differential Equations.