

**Program for Forum on interfacial phenomena  
(6/7/2019)**

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|---------------|--------------------|---|---|
| <b>June 7</b> | 09:00-09:40        | Structure preserving schemes for complex nonlinear systems  | <b>Jie Shen</b><br>Purdue University and<br>Xiamen University               |
|               | 09:40-10:20        | Energy stability and convergence of SAV finite difference methods for Gradient flows                      | <b>Xiaoli Li</b><br>Xiamen University                                       |
|               | <b>10:20-10:30</b> | <b>Tea break</b>  |   |
|               | 10:30-11:10        | Modeling and Simulation for Solid-State Dewetting Problems  | <b>Weizhu Bao</b><br>Singapore National<br>University                       |
|               | 11:10-11:50        | Application of Onsager's variational principle to surface diffusion-controlled problems                   | <b>Wei Jiang</b><br>Wuhan Universit   |
|               | <b>11:50-14:00</b> | <b>Lunch and Break</b>  | <b>VIP room at CSRC</b>   |
|               | 14:00-14:40        | Fractional differential equations with variable degree-analysis and numerical simulations                 | <b>Hong Wang</b><br>University of South Carolina<br>and Shandong University |
|               | 14:40-15:20        | Energy stable numerical algorithms for phase-field model of mode fracture dynamics in viscoelastic solids | <b>Yan Xu</b><br>University of Science and<br>Technology of China           |
|               | 15:20-16:00        | Phase-Field Method for Interfacial Dynamics: A Validation Study   | <b>Lishi Luo</b><br>CSRC&Old Dominion<br>University                         |
|               | <b>16:00-16:10</b> | <b>Tea Break</b>  |   |
|               | 16:10-16:50        | Energy stable numerical approximations to thermodynamical and hydrodynamical systems                      | <b>Jia Zhao</b><br>Utah State University                                    |
|               | 16:50-17:20        | Structure-preserving Numerical Algorithms for Phase Field Models of Nonlocal Constraints                  | <b>Xiaobo Jing</b><br>CSRC  |
|               | <b>17:30-19:00</b> | <b>Dinner</b>   | <b>VIP room at CSRC</b>   |