

TYLER C. SUTTERLEY

3200 Croul Hall, Irvine, CA 92697-3100
tsutterl@uci.edu, (209) 535-8894

| | | |
|----------------------------|--|------------------------------------|
| EDUCATION | Doctor of Philosophy in Earth System Science | 2016 |
| | <i>Remote Sensing Observations of Modern-Day Regional Ice Sheet Change</i> University of California, Irvine | |
| | International Summer School in Glaciology University of Alaska, Fairbanks | 2014 |
| | Master of Science in Earth System Science University of California, Irvine | 2012 |
| | Bachelor of Science in Mechanical Engineering University of California, San Diego | 2008 |
| PROFESSIONAL EXPERIENCE | Postdoctoral Scholar, University of California, Irvine | 2016 – current |
| | Graduate Student Researcher, University of California, Irvine | 2010 – 2016 |
| | Graduate Student Representative, University of California, Irvine | 2011 – 2012 |
| | Mechanical Engineer of Research & Development, Asymtek | 2008 – 2009 |
| REFEREED PUBLICATIONS | A. Khazendar, E. Rignot, D. M. Schroeder, H. Seroussi, M. P. Schodlok, B. Scheuchl, T. C. Sutterley , and I. Velicogna, “Rapid submarine ice melting in the grounding zones of ice shelves in West Antarctica,” <i>Nature Geoscience</i> , 2016 (submitted). | |
| | G. Basha, P. Kishore, M. Venkat Ratnam, T. B. M. J. Ouarda, I. Velicogna, T. C. Sutterley , “Vertical and latitudinal variation of the intertropical convergence zone derived using GPS radio occultation measurements,” <i>Remote Sensing of Environment</i> , 2015. doi:10.1016/j.rse.2015.03.024 . | |
| | P. Kishore, S. Jyothi, G. Basha, S. V. B. Rao, M. Rajeevan, I. Velicogna, T. C. Sutterley , “Precipitation climatology over India: validation with observations and reanalysis datasets and spatial trends,” <i>Climate Dynamics</i> , 2015. doi:10.1007/s00382-015-2597-y . | |
| | T. C. Sutterley , I. Velicogna, E. Rignot, J. Mouginot, T. Flament, M. van den Broeke, J. M. van Wessem, C. Reijmer, “Mass loss of the Amundsen Sea Embayment of West Antarctica from four independent techniques,” <i>Geophysical Research Letters</i> , 2014. doi:10.1002/2014GL061940 . | |
| | I. Velicogna, T. C. Sutterley , M. van den Broeke, “Regional acceleration in ice mass loss from Greenland and Antarctica using GRACE time-variable gravity data,” <i>Geophysical Research Letters</i> , 2014. doi:10.1002/2014GL061052 . | |
| | T. C. Sutterley , I. Velicogna, B. Csatho, M. van den Broeke, S. Rezvanbehbahani, G. Babonis, “Evaluating Greenland glacial isostatic adjustment corrections using GRACE, altimetry and surface mass balance data,” <i>Environmental Research Letters</i> , 2014. doi:10.1088/1748-9326/9/1/014004 . | |
| | | |
| INVITED LECTURES | International Summer School in Glaciology <i>Time-Variable Gravity for Glacier and Ice Sheet Mass Balance</i> | McCarthy, AK August 2014 |

CONFERENCE TALKS

Sutterley, T., Velicogna, I., Rignot, E., Mouginot, J., Flament, T., van den Broeke, M., van Wessem, J., Reijmer, C. Uncertainties in sheet mass balance in Greenland and Antarctica from GRACE and comparison with other methods. *GRACE Science Team Meeting, 2015.*

Sutterley, T., Velicogna, I. Regional Ice Sheet Mass Balance from GRACE time-variable gravity. *Graduate Climate Conference, 2014*

Sutterley, T., Velicogna, I., Rignot, E., Mouginot, J., Flament, T., van den Broeke, M., van Wessem, J., Reijmer, C. Recent Changes in Ice Mass Balance of the Amundsen Sea Embayment. *WAIS Workshop, 2014.*

Sutterley, T., Velicogna, I., van den Broeke, M., Csatho, B. Evaluating glacial isostatic adjustment corrections using GRACE, altimetry, and regional atmospheric climate model outputs. *GRACE Science Team Meeting, 2013.*

Sutterley, T., Velicogna, I., Rignot, E., van den Broeke, M., Csatho, B., Wahr, J., Ivins, E., Wu, X., Mouginot, J. Assessing the accuracy of glacial isostatic adjustment models using GRACE, InSAR, altimetry, and regional atmospheric climate model outputs. *GRACE Science Team Meeting, 2012.*

CONFERENCE POSTERS

Sutterley, T., Velicogna, I. Recent Greenland Thinning from Operation IceBridge ATM and LVIS Data. *Program for Arctic Regional Climate Assessment (PARCA), NASA Goddard Space Flight Center, 2016.*

Sutterley, T., Velicogna, I. Recent Greenland Thinning from Operation IceBridge ATM and LVIS Data. *American Geophysical Union Fall Meeting, 2015.*

Sutterley, T., Velicogna, I., Rignot, E., Mouginot, J., Flament, T., van den Broeke, M., van Wessem, J., Reijmer, C. Recent Changes in Ice Mass Balance of the Amundsen Sea Sector. *American Geophysical Union Fall Meeting, 2014.*

Sutterley, T., Velicogna, I., van den Broeke, M., Csatho, B., Rezvanbehbahani, S., Babonis, G. Using GRACE measurements of time variable gravity, elevation changes from ICESat and OIB and surface mass balance outputs from RACMO to improve ice mass balance estimates. *Program for Arctic Regional Climate Assessment (PARCA), NASA Goddard Space Flight Center, 2014.*

Sutterley, T., Velicogna, I., van den Broeke, M., Csatho, B., Rezvanbehbahani, S., Babonis, G. Using GRACE measurements of time variable gravity, elevation changes from ICESat and OIB and surface mass balance outputs from RACMO to improve ice mass balance estimates. *American Geophysical Union Fall Meeting, 2013.*

Sutterley T., Velicogna, I., Rignot, E., van den Broeke, M., Csatho, B., Wahr, J., Ivins, E. Improving accuracy of glacial isostatic adjustment models and ice mass balance using GRACE, InSAR, altimetry, and regional atmospheric climate model output. *American Geophysical Union Fall Meeting, 2012.*

Sutterley, T., Velicogna, I., Ivins, E., Rignot, E., van den Broeke, M. Evaluation of postglacial rebound models combining GRACE, InSAR, regional atmospheric climate modeling and radar altimetry data. *American Geophysical Union Fall Meeting, 2011.*