

Stanford



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Ph.D. Student in Mechanical Engineering, admitted Autumn 2015

Bio

STANFORD ADVISORS

- Alison Marsden, Doctoral Dissertation Advisor (AC)

Publications

PUBLICATIONS

- **Patient-Specific Multiscale Modeling of the Assisted Bidirectional Glenn.** *The Annals of thoracic surgery*
Shang, J. K., Esmaily, M., Verma, A., Reinhartz, O., Figliola, R. S., Hsia, T., Feinstein, J. A., Marsden, A. L.
2018
- **Optimization of the Assisted Bidirectional Glenn Procedure for First Stage Single Ventricle Repair** *Optimization of the Assisted Bidirectional Glenn Procedure for First Stage Single Ventricle Repair*
Verma, A., Esmaily, M., Shang, J., Figliola, R., Feinstein, J., Hsia, T., Marsden, A.
2018; 9 (2): 157-170
- **Optimizing fluid-structure interaction systems with immersogeometric analysis and surrogate modeling: Application to a hydraulic arresting gear** *COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*
Wu, M. C., Kamensky, D., Wang, C., Herrema, A. J., Xu, F., Pigazzini, M. S., Verma, A., Marsden, A. L., Bazilevs, Y., Hsu, M.
2017; 316: 668-693