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Ph.D. Student in Mechanical Engineering, admitted Autumn 2018

Publications

PUBLICATIONS

- **Rapid model-guided design of organ-scale synthetic vasculature for biomanufacturing.** *ArXiv*
Sexton, Z. A., Hudson, A. R., Herrmann, J. E., Shiwarski, D. J., Pham, J., Szafron, J. M., Wu, S. M., Skylar-Scott, M., Feinberg, A. W., Marsden, A.
2023
- **svMorph: Interactive Geometry-Editing Tools for Virtual Patient-Specific Vascular Anatomies.** *Journal of biomechanical engineering*
Pham, J., Wyetzner, S., Pfaller, M., Parker, D., James, D., Marsden, A.
2022
- **Framework for patient-specific simulation of hemodynamics in heart failure with counterpulsation support.** *Frontiers in cardiovascular medicine*
Arduini, M., Pham, J., Marsden, A. L., Chen, I. Y., Ennis, D. B., Dual, S. A.
2022; 9: 895291
- **Automated generation of 0D and 1D reduced-order models of patient-specific blood flow.** *International journal for numerical methods in biomedical engineering*
Pfaller, M. R., Pham, J., Verma, A., Pegolotti, L., Wilson, N. M., Parker, D. W., Yang, W., Marsden, A. L.
2022: e3639
- **Elucidating tricuspid Doppler signal interpolation and its implication for assessing pulmonary hypertension** *PULMONARY CIRCULATION*
Dual, S. A., Verdonk, C., Amsallem, M., Pham, J., Obasohan, C., Nataf, P., McElhinney, D. B., Arunamata, A., Kuznetsova, T., Zamanian, R., Feinstein, J. A., Marsden, A., Haddad, et al
2022; 12 (3): e12125
- **On the Periodicity of Cardiovascular Fluid Dynamics Simulations.** *Annals of biomedical engineering*
Pfaller, M. R., Pham, J., Wilson, N. M., Parker, D. W., Marsden, A. L.
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