Publications by Iason Papaioannou

April 2025

HIGHLIGHTS

81 refereed journal papers; 2 book chapters; 64 refereed conference papers > 4000 citations; h-index 31; i10-index 64 (Google scholar profile)

REFEREED JOURNAL PUBLICATIONS

- **[J81]** Ehre M., **Papaioannou I.**, Straub D. Stein variational rare event simulation. *International Journal for Uncertainty Quantification*, in print.
- **[J80]** Zinas O., **Papaioannou I.**, Schneider R., Cuéllar P. (2025). Multivariate Gaussian Process Regression for 3D site characterization from CPT and categorical borehole data. *Engineering Geology*, 352: 108052.
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- **[J71]** Chan J., **Papaioannou I.**, Straub D. (2024). Bayesian improved cross entropy method with categorical mixture models for network reliability assessment. *Reliability Engineering & System Safety*, 252: 110432.
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- **[J67]** Althaus K., **Papaioannou I.**, Ullmann E. (2024). Consensus-based rare event estimation. *SIAM Journal on Scientific Computing*, 46(3): A1487-A1513.
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- **[J41]** Wagner F., Latz J., **Papaioannou I.**, Ullmann E. (2021). Error analysis for probabilities of rare events with approximate models. *SIAM Journal on Numerical Analysis*, 59(4): 1948-1975.
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- **[J16]** Jiang S.H., **Papaioannou I.**, Straub D. (2018). Bayesian updating of slope reliability in spatially variable soils with in-situ measurements. *Engineering Geology*, 239: 310-320.
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