

# Alex Stott

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## Education

### PhD in signal processing and planetary instrumentation, Imperial College London

London, UK

Oct. 2014 - May. 2019

- **Title:** Latent variable regression and applications to planetary seismic instrumentation
- **Research Areas:** Latent variable component analysis, sensor performance and planetary seismology.
  - Develop tools for signal separation to uncover hidden, latent information within multidimensional datasets.
  - Experimental data analysis for the performance characterisation and scientific exploitation of the NASA InSight microseismometer.
  - Created extensions of the partial least squares algorithm for regression. Published with applications for smart grids and for machine learning with Earth observation data.
- **Awards:** Recipient of the IEEE Signal Processing Society student travel grant award for ICASSP 2017 in New Orleans.
- **Supervisors:** Joint supervision between Prof. W. T. Pike and Prof. D. Mandic.

### MEng in electrical and electronic engineering, Imperial College London: First Class

London, UK

Oct. 2010 - Jun. 2014

- **Masters project:** Researched and implemented a variety of algorithms to create a 3D topographic model for microscope images, directed for the NASA Phoenix lander's Optical Microscope.
- **Modules include:** Spectral Estimation and Adaptive Filters, Wavelets and Applications, Mathematics, Advanced Signal Processing, Predictive Control, Real-Time Signal Processing and Power Electronics.

## Post Doctoral Research Experience

### CNES Research Fellow, ISAE-Supaero

Toulouse, France

Jan. 2023 - PRESENT

- **Topic:** A machine learning framework for geophysical and atmospheric monitoring in planetary science missions.
- **Research areas:**
  - Development of machine learning to study and characterise planetary environments, applied to the seismic and meteorological data from the NASA InSight and Perseverance missions.
  - Results targeting key research questions on atmospheric dynamics and the relationship between wind, turbulence and dust as well as seismic activity, its sources and the structure of Mars.
- **NASA Mars 2020 Perseverance atmospheric working group co-lead 2022-present:** responsible for the management of atmospheric operations and coordination of science activities across multiple instrument groups. Also member of the DEIA working group.
- **Long-lived Venus lander:** Collaboration with team led by NASA Glenn to develop mission concept for a long-lived Venus lander.

### Post Doctorant, ISAE-Supaero

Toulouse, France

Sept. 2020 - Dec. 2022

- **Role:** Research post on planetary science for the NASA InSight and Mars 2020 (Perseverance) missions.
- **Research areas:**
  - Implemented machine learning to separate atmospherically generated signal from seismic data on InSight. Used to analyse and identify marsquakes which led to the discovery of new features of Martian seismicity, including the rate of impacts events.
  - Characterised Martian winds and turbulence with the SuperCam microphone on Perseverance.
- **NASA InSight Science Team Collaborator:** member of seismic events, impacts, data processing and atmospheric working groups.
- **NASA Mars 2020 Perseverance Science Team Collaborator:** member of acoustics and atmospheric working groups.
- **Mars 2020 atmospheric science uplink representative:** implement atmospheric related activities/observations during operations uplink shifts. Required to communicate issues across several teams to meet strict uplink deadlines.

### Post doctoral Research Associate, Imperial College London

London, UK

Nov. 2018 - Aug. 2020

- **Role:** Research post on the data analysis of a MEMS microseismometer, designed for the NASA InSight mission to Mars.
- **Research areas:**
  - InSight mission seismic data analysis.
  - Instrument performance - verification of the instrument self-noise and its response to factors such as temperature on Mars.
- **NASA InSight Science Team Collaborator:** Member of the development team for the mission's Short Period seismometer.
- **InSight operations instrument expert:** Performed the role of instrument expert in mission operations based at NASA JPL, USA. Responsibilities included providing an analysis of the sensor data downlink for performance and liaising with CNES and JPL teams.

## Income, Awards and Service

### Funding: CNES postdoctoral fellowship 2022-2024

- Competitively funded proposal to create a machine learning framework for geophysical and atmospheric monitoring on planetary missions. Two years funding from French Space agency, CNES.

## Funding: Co-Principal Investigator ExoMars EDL Mic 2024-Present

- Meteorology and microphone instrument for the entry, descent and landing stage of the ExoMars mission. Responsible for scientific, technical and operational development. Assisted with funding acquisition from CNES/ESA (600,000 euros).

## Awards and recognition

- **NASA Honor Group Achievement Award 2022:** Awarded as part of the Mars 2020 Perseverance atmospheric working group for contributions to mission operations and science.
- **Editor's highlight:** Publication of "WindSightNet: The Inter-Annual Variability of Martian Winds Retrieved From InSight's Seismic Data With Machine Learning" featured as an editor's highlight in EOS - (Click here to read). Only 2% of all AGU journal papers are selected.

## Other service

- **Core team proposer:** Venus orbiter to detect airglow from seismic events and atmospheric dynamics (VIVA) mission for ESA Fast class.
- **Co-convenor** Dynamics, tectonics and evolution of rocky planets from formation to the present day at European Geophysical Union 2025.
- **Peer reviewer:** Reviewed articles for journals including GRL, GJI, BSSA, Signal Processing and PSJ.
- **NASA Review panel member** for ROSES grants - Led the review of proposals, communicating to the group and writing feedback

## Teaching Experience

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### Supervision

- **(2024)** 4-month internship on machine learning to detect events from Earth stratospheric balloon flight pressure data.
- **(2021 - 2024)** Assisted in the supervision of a PhD student on planetary acoustics and atmospheres. Provide research direction along with day to day assistance (ISAE).
- **(2023)** 3-month undergraduate internship on machine learning for the classification of moonquakes (ISAE).
- **(2023)** Assisted in the supervision of a student for marsquake seismicity interpretation (ISAE).
- **(2021)** 5-month undergraduate internship (stagiaire) on machine learning for InSight seismic data (work aided publication with student included as co-author) (ISAE).
- **(2021-2022)** Assisted in the supervision of a postgraduate masters project on seismometer noise determination for applications on small bodies. (ISAE).
- **(2021-2022)** Assisted in the supervision of a professional masters project on seismometer noise determination for use on small bodies. (ISAE).
- **(2021-2022)** Provided machine learning expertise for project on asteroid surface properties from experimental impact data. Work developed into a student-led conference paper. (ISAE).
- **(2019-2020)** Final year project on supervised machine learning for automatic detection of artefacts in InSight seismic data. (Imperial).
- **(2018-2019)** co-supervised final year project on using drone camera footage as navigational input. (Imperial).

### Other teaching activities

- External examiner at University of Oslo for Master's thesis on water vapour retrievals with SuperCam on Mars.
- Co-administered a seismology oral exam in 2022 and 2024. Required to communicate with the students to demonstrate their knowledge.
- Experience in preparation of materials and presentations for invited seminars, conferences and outreach events.
- Teaching assistant: signal processing/machine intelligence courses. Developed materials, administered coursework and problem classes.

## Work Experience

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### Intern Engineer, BAE Systems Detica

Guildford, UK

Apr. 2013 - Sept. 2013

- Six month internship at BAE Systems Detica in the Electronic Systems Group. Developed a hardware board which converts between two high speed Ethernet signal types.
- Progressed through a full project lifecycle to take the board from requirements capture through to testing and delivery.

### Vice Chair, Head of technical, E.quinox

London, UK and Rwanda

Oct. 2011 - May 2014

- Imperial's e.quinox society aims to provide a blueprint for sustainable electricity to rural areas via renewable energy solutions.
- Managed sub-teams developing solar and hydro battery charging kiosks. Created a data logger to monitor kiosk health.
- Took part in field trip to Rwanda during summer 2012. Organised with local groups including Kigali University and industry liaison.

## Outreach, skills and interests

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### Media and outreach

- **The sound of a Martian dust devil:** Wrote "behind the paper" article commentary (Click here to read). Interviewed live for radio New Zealand and for Inverse article.
- **First sounds from Perseverance's microphone:** NASA Press release materials for first sounds and recording of Ingenuity rotorcraft. Interviewed for Sky and Telescope magazine. Click for recorded explainer video.
- **Outreach:** Presentation on Mars 2020 mission for school children from disadvantaged areas (2022). Natural History Museum Late night opening exhibitor and "Meet with a scientist" participant.
- **First recordings of NASA InSight mission:** provided materials for presentation of InSight's first seismic recordings on Mars.

### Skills

- **Programming Languages:** Python, Matlab, C and LaTeX
- **Languages:** English (native), French (near conversational) and Spanish (Imperial College Lower Intermediate Certificate)

### Lead author or significant role in conceptualisation, development and analysis

1. **A. E. Stott**, N. Murdoch, M. Gillier, D. Mimoun, et al. "The dissipation regime of turbulence on Mars with Microphone data from the Perseverance rover" *Submitted*.
2. **A. E. Stott**, R. F. Garcia et al. "WindSightNet: the inter-annual variability of Martian winds retrieved from InSight's seismic data with machine learning" *JGR: Planets* (2025): e2024JE008695.
3. **A. E. Stott**, R. F. Garcia, A. Chédozeau, A. Spiga, N. Murdoch, et al. "Machine learning and marsquakes: a tool to predict atmospheric-seismic noise for the NASA InSight mission." *Geophysical Journal International* 233, no. 2 (2023): 978-998.
4. **A. E. Stott**, N. Murdoch, M. Gillier, D. Banfield, T. Bertrand et al. "Wind and turbulence observations with the Mars microphone on Perseverance" *JGR: Planets* (2023): e2022JE007547.
5. **A. E. Stott**, C. Charalambous, T. J. Warren, W. T. Pike et al. "The Site Tilt and Lander Transfer Function from the Short-Period Seismometer of InSight on Mars" *BSSA* 111, no. 6 (2021): 2889-2908.
6. **A. E. Stott**, C. Charalambous, T. J. Warren, and W. T. Pike. "Full-Band Signal Extraction From Sensors in Extreme Environments: The NASA InSight Microseismometer." *IEEE Sensors Journal* 18 (22) (2018) 9382-9392.
7. **A. E. Stott**, S. Kanna, and D. P. Mandic. "Widely Linear Complex Partial Least Squares for Latent Subspace Regression." *Signal Processing* 152 (2018) 350-362.
8. **A. E. Stott**, B. Scalzo Dees, I. Kisl, and D. P. Mandic. "A class of multidimensional NIPALS algorithms for quaternion and tensor partial least squares regression." *Signal Processing* 160 (2019): 316-327.
9. **A. E. Stott**, S. Kanna, D. P. Mandic, and W. T. Pike. "An online NIPALS algorithm for Partial Least Squares." In: Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), *IEEE*, 2017, p. 4177-4181. (peer reviewed)
10. M. Gillier, A. Petculescu, N. Murdoch, **A. E. Stott** et al. "Geographical, seasonal and diurnal variations of acoustic attenuation and sound speed in the near-surface Martian atmosphere" *JGR: Planets* 129(5). (2024) e2023JE008257.
11. M. Gillier, A. Petculescu, **A. E. Stott**, N. Murdoch et al. "Acoustic propagation in the near-surface Martian atmosphere" *JGR: Planets* 129(7) (2024) e2024JE008469.
12. N. Murdoch, **A. E. Stott**, D. Mimoun, B. Pinot, A. Chatain et al. "Investigating Diurnal and Seasonal Turbulence Variations of the Martian Atmosphere Using a Spectral Approach." *The Planetary Science Journal* 4, no. 11 (2023): 222.
13. N. Murdoch, **A. E. Stott**, M. Gillier, R. Hueso, et al. "The sound of a Martian dust devil." *Nature Communications* 13, no. 1 (2022): 7505.
14. C. Charalambous, **A. E. Stott**, W. T. Pike et al. "A comodulation analysis of atmospheric energy injection into the ground motion at InSight, Mars" *Journal of Geophysical Research: Planets* 126 (4) (2021) e2020JE006538.

### Significant role in project development and analysis/interpretation

15. R. F. Garcia, I. Clemente, M. Drilleau, **A. E. Stott** et al. "Detection of Mars' quake doublets in InSight data" *Journal of Geophysical Research: Planets* 130, no. 7 (2025): e2024JE008782..
16. I. Daubar, R. F. Garcia, **A. E. Stott**, B. Fernando, G. S. Collins et al. "Seismically detected cratering on Mars: Enhanced recent impact flux?" *Science Advances* (2024)
17. D. Mimoun, A. Cadu, N. Murdoch, A. Sournac, Y. Parot, P. Bernardi, P. Pilleri, **A. E. Stott**, et al. "The Mars Microphone onboard SuperCam" *Space science reviews* 219 (1), 5 (2023).
18. B. Fernando, I. J. Daubar, C. Charalambous, P. M. Grindrod, **A. E. Stott**, et al. "A tectonic origin for the largest marsquake observed by InSight." *GRL*, 50(20), p.e2023GL103619 (2023)
19. R. D. Lorenz, S. Maurice, B. Chide, D. Mimoun, **A. E. Stott** et al. "The sounds of a helicopter on Mars." *Planetary and Space Science* 230 (2023): 105684.
20. S. Maurice, B. Chide, N. Murdoch, R. Lorenz, D. Mimoun, R. Wiens, **A. E. Stott**, X. Jacob, et al. "In situ recording of Mars soundscape." *Nature* 605, no. 7911 (2022): 653-658.
21. C. Newman, R. Hueso, M. T. Lemmon, et al. "The dynamic atmospheric and aeolian environment of Jezero crater, Mars." *Science Advances* 8, no. 21 (2022): eabn3783.
22. B. Fernando, N. Wojcicka, R. Maguire, S. C. Stähler, **A. E. Stott**, S. Ceylan, et al. "Seismic constraints from a Mars impact experiment using InSight and Perseverance." *Nature Astronomy* 6, no. 1 (2022): 59-64.
23. B. Fernando, N. Wojcicka, Z. Han, **A. E. Stott**, S. Ceylan, et al. "Questions to Heaven." *Astronomy & Geophysics* 62, no. LA-UR-21-31668 (2021).
24. P. Lognonné, W. B. Banerdt, W. T. Pike, D. Giardini, U. Christensen, R. F. Garcia, T. Kawamura et al. "Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data." *Nature Geoscience* 13, no. 3 (2020): 213-220.
25. D. Giardini, P. Lognonné, W. B. Banerdt, W. T. Pike, U. Christensen, S. Ceylan, J. F. Clinton et al. "The seismicity of Mars." *Nature Geoscience* 13, no. 3 (2020): 205-212.
26. D. Banfield, A. Spiga, C. Newman, F. Forget, M. Lemmon, R. Lorenz, N. Murdoch et al. "The atmosphere of Mars as observed by InSight." *Nature Geoscience* (2020): 1-9.
27. Scholz, John-Robert, Rudolf Widmer-Schmidrig, Paul Davis, et al. "Detection, analysis, and removal of glitches from InSight's seismic data from Mars." *Earth and Space Science* 7 (11) (2020): e2020EA001317.
28. M. P. Panning, W. T. Pike, P. Lognonné, W. B. Banerdt, N. Murdoch et al. "On-deck seismology: Lessons from InSight for future planetary seismology." *Journal of Geophysical Research: Planets* (2020): e2019JE006353.

## Continued

29. P. Lognonné, W. B. Banerdt, D. Giardini, W. T. Pike, U. Christensen, Phillipe Laudet, S. de Raucourt et al. "SEIS: the seismic experiment for internal structure of InSight." *Space Sci. Rev* 214 (6) (2018).
30. H. Liu, W. T. Pike, C. Charalambous, and **A. E. Stott**. "Passive Method for Reducing Temperature Sensitivity of a Microelectromechanical Seismic Accelerometer for Marsquake Monitoring Below 1 Nano-g." *Physical Review Applied* 12, no. 6 (2019): 064057.
31. M. Xiang, S. Enshaefar, **A. E. Stott**, C. C. Took, Y. Xia, S. Kanna, and D. P. Mandic. "Simultaneous diagonalisation of the covariance and complementary covariance matrices in quaternion widely linear signal processing." *Signal Processing* 148 (2018) 193-204.

## Contributed support, analysis, interpretation and data

32. M. Coimbra, M. de la Torre Juárez, B. McKeon, et al. "Spectral location for the universal scaling regime in Martian atmospheric turbulence" *Nature Comms. Earth and Environment* 5(1) (2024):597
33. B. Pinot, D. Mimoun, N. Murdoch et al. "The In Situ Evaluation of the SEIS Noise Model." *Space Science Reviews* 220, no. 3 (2024): 26.
34. C. Robin, N. Murdoch, A. Duchene, et al. "Mechanical properties of rubble pile asteroids: insights from a morphological analysis of surface boulders" *Nature Comms.* 15(1), (2024) 6203.
35. B. Chide, P. Blanc-Benon, T. Bertrand, X. Jacob, et al. "An acoustic investigation of the near-surface turbulence on Mars." *The Journal of the Acoustical Society of America* 155, no. 1 (2024): 420-435.
36. A. Vicente-Retortillo, G. M. Martínez, M. T. Lemmon, R. Hueso, J. R. Johnson, R. Sullivan, C. E. Newman et al. "Dust lifting through surface albedo changes at Jezero crater, Mars." *JGR: Planets* 128, no. 4 (2023): e2022JE007672.
37. J. Pla-García, A. Munguira, S. Rafkin, C. Newman, et al. "Nocturnal turbulence at Jezero crater as determined from MEDA measurements and modeling." *JGR: Planets* 128, no. 8 (2023): e2022JE007607.
38. M. de la Torre Juárez, A. Chavez, L. K. Tamppari, A. Munguira, G. Martínez et al. "Diurnal cycle of rapid air temperature fluctuations at Jezero crater: probability distributions, exponential tails, scaling, and intermittency." *JGR: Planets* 128, no. 7 (2023): e2022JE007458.
39. S. Menina, L. Margerin, et al. "Stratification of Heterogeneity in the Lithosphere of Mars From Envelope Modeling of Event S1222a and Near Impacts: Interpretation and Implications for Very-High-Frequency Events." *GRL* 50, no. 7 (2023): e2023GL103202.
40. B. Chide, X. Jacob, A. Petculescu, R. D. Lorenz et al. "Measurements of sound propagation in Mars' lower atmosphere." *Earth and Planetary Science Letters* 615 (2023): 118200.
41. C. Alvarez-Llamas, J. Laserna, J. Moros, P. Purohit et al. "The sound of geological targets on Mars from the absolute intensity of laser-induced sparks shock waves." *Spectrochimica Acta Part B: Atomic Spectroscopy* 205 (2023): 106687.
42. L. Posiolova, P. Lognonné, W. B. Banerdt, J. Clinton, G. S. Collins, et al. "Largest recent impact craters on Mars: Orbital imaging and surface seismic co-investigation." *Science* 378, no. 6618 (2022): 412-417.
43. N. Dahmen, J. F. Clinton, M-A. Meier, S. C. Stähler, S. Ceylan, D. Kim, **A. E. Stott**, and Domenico Giardini. "MarsQuakeNet: A more complete marsquake catalog obtained by deep learning techniques." *Journal of Geophysical Research: Planets* 127, no. 11 (2022): e2022JE007503.
44. R. Hueso, C. E. Newman, T. del Río-Gaztelurrutia, A. Munguira, et al. "Convective vortices and dust devils detected and characterized by Mars 2020." *Journal of Geophysical Research: Planets*(2022): e2022JE007516.
45. B. Chide, T. Bertrand, R. D. Lorenz, A. Munguira, et al. "Acoustics Reveals Short-Term Air Temperature Fluctuations Near Mars' Surface." *GRL* 49, no. 21 (2022): e2022GL100333.
46. A. Horleston, J. F. Clinton, S. Ceylan, et al. "The Far Side of Mars: Two Distant Marsquakes Detected by InSight." *The Seismic Record* 2, no. 2 (2022): 88-99.
47. R. Wiens, A. Udry, O. Beyssac, et al. "Compositionally and density stratified igneous terrain in Jezero crater, Mars." *Science Advances* 8, no. 34 (2022): eabo3399.
48. S. Ceylan, J. F. Clinton, D. Giardini et al. "The marsquake catalogue from InSight, sols 0–1011." *Physics of the Earth and Planetary Interiors* (2022): 106943.
49. N. L. Dahmen, G. Zenhausern, J. F. Clinton, D. Giardini, S. C. Stahler, et al. "Resonances and lander modes observed by insight on Mars (1–9 Hz)." *BSSA* 111, no. 6 (2021): 2924-2950.
50. K. Hurst, L. Fayon, B. Knapmeyer-Endrun, C. Schmeltzbach, M. van Driel, et al. "Resonances of the InSight seismometer on Mars." *BSSA* 111, no. 6 (2021): 2951-2963.
51. J. F. Clinton, S. Ceylan, M. van Driel, D. Giardini et al. "The Marsquake catalogue from InSight, sols 0–478." *Physics of the Earth and Planetary Interiors* 310 (2021): 106595.
52. S. Ceylan, J. F. Clinton, D. Giardini, M. Bose et al. "Companion guide to the marsquake catalog from InSight, Sols 0–478: Data content and non-seismic events." *Physics of the Earth and Planetary Interiors* 310 (2021): 106597.
53. C. Charalambous, J. McClean, M. Baker, W. T. Pike, et al. "Vortex-dominated aeolian activity at InSight's landing site, Part 1: Multi-instrument observations, analysis, and implications." *Journal of Geophysical Research: Planets* 126 (6) (2021) e2020JE006757.
54. T. Lecocq, S. P. Hicks, K. Van Noten, K. Van Wijk et al. "Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures." *Science* 369 (6509) (2020) 1338-1343.

## Selected Conferences

1. A. E. Stott, D. Mimoun, et al. “The Platform Atmospheric Characteristics Instrumentation Suite (PACIS) for sensing Mars’s atmosphere during the entry, descent and landing of the ESA ExoMars Rosalind Franklin mission” Europlanet Science Conference (EPSC), (2025).
2. A. E. Stott, R. F. Garcia, M. Drilleau, L. Margerin et al. “Examining the P-wave coda features of InSight seismic events” EGU General Assembly (2025)
3. A. E. Stott, N. Murdoch, M. Gillier et al. “The Distribution of Short-term Wind Gusts and the Dissipation Regime of Turbulence on Mars with the SuperCam Microphone.” Europlanet Science Conference (EPSC), (2024).
4. A. E. Stott, R. F. Garcia, N. Murdoch, D. Mimoun et al. “A Catalogue of Martian Winds Inferred from InSight’s Seismic Data Using Machine Learning.” Tenth International Conference on Mars (2024).
5. A. E. Stott, R. F. Garcia, N. Murdoch, D. Mimoun et al. “Noise Considerations For the Next InSight Into the Interior of Mars.” Mars Interior and Geophysics after InSight (2024).
6. A. E. Stott, G. Martinez, C. E. Newman, M. J. Wolff, M. de la Torre Juarez, and J. A. Rodriguez-Manfredi. “Atmospheric science with the M2020 Perseverance rover: key results and future objectives.” British Planetary Science Conference (2024).
7. A. E. Stott and R. F. Garcia. “Analysing marsquakes and atmospheric noise with machine learning.” Cargese passive imaging summer school (2024).
8. A. E. Stott, R. F. Garcia, N. Murdoch, D. Mimoun et al. “Using InSight data to inform sensing opportunities for future seismology and meteorology missions” International Planetary Probe Workshop (2023).
9. A. E. Stott, N. Murdoch, M. Gillier et al. “Martian Wind and turbulence heard by the SuperCam microphone on the Perseverance rover” Acoustical society of America, Invited talk (2023).
10. A. E. Stott, R. F. Garcia, A. Chédozeau, B. Pinot, N. Murdoch, D. Mimoun, et al. “Using machine learning to separate atmospherically generated noise from marsquakes” EPSC (2022) EPSC2022-833.
11. A. E. Stott, N. Murdoch, R. F. Garcia, M. Gillier, D. Mimoun, et al. “Martian Wind Sensing with Seismometers and Microphones.” Seventh conference on Mars Atmospheric Modelling and observations (2022).
12. A. E. Stott, R. F. Garcia, A. Chédozeau, B. Pinot, N. Murdoch, D. Mimoun, et al. “Using machine learning to predict the ground motion from atmospheric data at InSight, Mars.” AGU (2021).
13. A. E. Stott, N. Murdoch, D. Mimoun, B. Chide, R. Lorenz, S. Maurice, et al. “The Sound of the Wind on Mars: Preliminary Wind Speed Analysis with the SuperCam Microphone on Perseverance.” EPSC (2021): EPSC2021-557.
14. A. E. Stott, R. F. Garcia, B. Pinot, N. Murdoch, D. Mimoun, A. Spiga, et al. “Atmospherically driven ground motion at InSight: a machine learning perspective.” EGU General Assembly (2021) EGU21-12344.
15. A. E. Stott, C. Charalambous, J. B. McClean, T. Warren, A. Trebi-Ollennu, G. Lim, N. Teanby et al. “Using InSight’s Robotic Arm Motion to Examine the Martian Regolith’s Response to Short Period Vibrations.” LPI 2326 (2020): 2082.
16. A. E. Stott, C. Charalambous, W. T. Pike, J. McClean, T. Warren, R. F. Garcia, P. Lognonné et al. “Comodulation Analysis of Atmospheric Energy Injection into the Ground Motion at InSight Part 1: The Site Dynamics on Elysium Planitia.” AGUFM 2019 (2019): DI51A-0004.
17. W. T. Pike, P. Lognonné, W. B. Banerdt, S. B. Calcutt, I. M. Standley, D. Giardini, C. Charalambous et al. “Results from the Short-Period (SP) Seismometers on the Mars InSight Mission: From Launch to Sol 40.” In Lunar and Planetary Science Conference, vol. 50. 2019.
18. W. T. Pike, S. Calcutt, I. M. Standley, A. G. Mukherjee, J. Temple, T. Warren, C. Charalambous, H. Liu, A. E. Stott, and J. B. McClean. “A silicon seismic package (SSP) for planetary geophysics.” In: Lunar and Planetary Science Conference, vol. 47, 2016, p. 2081.