

CURRICULUM VITAE

ADAM DOUGLAS SWITZER

50 Nanyang Avenue, N2-01c-44, Singapore 639798

ACADEMIC QUALIFICATIONS

1999 B.Sc. Hons, University of Wollongong, Australia
2005 Ph.D. University of Wollongong, Australia

Present academic positions

2017 – present Associate Chair (Academic), The Asian School of the Environment, Nanyang Technological University
2016 – present Associate Professor, The Asian School of the Environment, Nanyang Technological University
2009 – present Principal Investigator, Earth Observatory of Singapore, Nanyang Technological University, Singapore

Previous academic positions

2014 – 2016 Assistant Chair (Research and Graduate Studies), The Asian School of the Environment, NTU
2010 – 2016 Nanyang Assistant Professor, The Asian School of the Environment, Nanyang Technological University
2010 – 2015 National Research Foundation Fellow/Nanyang Assistant Professor, Nanyang Technological University
2007 – 2009 Centenary Research Assistant Professor, The University of Hong Kong
2005 – 2007 Post-doctoral Research Fellow, The University of Hong Kong
2005 – 2005 Cheung Kong Endeavour Australia Fellow, The University of Hong Kong

KEY SKILLS

- Demonstrated academic management skills developed as Associate Chair (Academic) (2016-) and Assistant Chair of Research and Graduate studies (2014-2016)
- Proven experience in leading recommendation committees and building school capacity through data driven decision-making.
- 13 years of teaching and research experience in two of the top research-intensive universities in the world.
- Demonstrated experience in the initiation, coordination and development of new academic programs .
- Experienced leadership of global research programs for UNESCO-IGCP and Asian Geoscientific community.
- Supervision of more than 30 undergraduate, honours and postgraduate students on research projects.
- Development and management of large multidisciplinary research projects involving MOUs and IAs with consultants, industry, academics and students in multiple countries.
- Experience in consulting for industry, numerous NGO's and governments in Asia.
- Stimulating public speaker and teacher with significant media experience (2011 faculty teaching award).
- Proven ability to provide a medium between scientific literature, industry and mainstream media.

CURRENT ROLES AND DUTIES

Associate Chair (Academic) – In this role I am responsible for the leadership, coordination, administrative responsibility and assessment of learning in the school. I work closely with the School Chair, Associate Dean (Academic) and Dean and provide guidance and administrative leadership. I lead the development of effective planning for short- and long-term growth and coordination of academic programs in the school. I oversee an Academic Support Team of ten faculty and staff and coordinate the academic processes for the school, including course scheduling, teaching load analysis and teaching evaluations. I also oversee the development, implementation and ongoing review of policies and procedures for assessment of learning for each academic specialization in the school. I work closely with Student Services on issues pertaining to advising, admission, student interviews and registration and work at the college level to identify and implement new academic programs, including the development of proposals for submission to the University. I have obtained grant funding to support both growth and innovation of existing academic programs and the development of new ones which meet workforce needs of Singapore. Since taking the role I have overseen the development of a new

double major program, two new externally funded education initiatives, a donor campaign and the finalisation of several key exchange relationships with other institutions globally.

Tenured Associate Professor - As an active researcher in coastal science I continue to produce innovative, independent and collaborative research. I publish in the top journals in the field and have a proven record of publishing in high impact, peer reviewed, international journals, and presenting invited presentations at international conferences. I have an established and successful externally-funded research programme and I have supervised 7 postdocs, 8 students to PhDs, 5 to MSc or M.Phil and numerous undergraduate projects. My work is both applied and blue sky and I actively promote interdisciplinary collaboration within and beyond the University. I have successfully obtained major donations and philanthropic fellowships to support my team. I also sit on many university committees and I strive to mentor colleagues with less experience and use my network of contacts to facilitate an exchange of ideas in research and teaching.

PREVIOUS ROLE

Assistant Chair (Research and Graduate studies) - Job duties in this role included mentoring faculty on research career and grant issues; providing leadership and oversight for research in the school; evaluating postgraduate student admissions and evaluating research and collaboration opportunities. I lead an a comparative study of grant cost sharing opportunities and presented that material to the Associate Dean for Research. This role involved programs to foster collaborative, interdisciplinary research between the School and other schools along with all aspects of research administration including compliance and finance issues where I generated detailed financial projections for school research budgets for faculty management and planning purposes. I was also charged with implementing the research aspects of the university strategic plan and working with other campus research leadership on strategic research partnerships. This role required a strong interest in mentoring faculty; creating new research opportunities; familiarity with Singapore grant finance system and experience evaluating research proposals. During my tenure the number of external grant applications from the school rose more than 400%, and was matched by an increase in grant success.

RESEARCH ACHIEVEMENTS

I am an internationally recognized expert in coastal hazards, nearshore processes and associated sedimentation. My most significant contributions to the field and achievements include;

- First detailed sea level study at centennial scales in Indonesia showing 0.5m+ plus fluctuations in sea level over centuries (Meltzner et al., *Nat. Comms.* 2017)
- Produced the first comprehensive Probabilistic Tsunami Hazard Assessment (PTHA) in Asia to apply heterogenous slip model to tsunami generation (Li et al., *JGR* 2016)
- The recognition that immature heavy mineral suites in coastal sandsheets may indicate tsunami deposition rather than storm deposition in coastal settings (Switzer et al. *J.Coast. Res.* 2005; Switzer and Jones, *Holocene* 2008; Pham et al., *Mar Geol.* 2017)
- The first detailed multi-proxy study of the sedimentary processes associated with the 2004 Indian Ocean tsunami on the southeast coast of India (Srinivasalu et al. *Marine Geology* 2007; Switzer et al. *Geol. Soc. London* 2012)
- First comprehensive syntheses and commentary on elevated boulders on the southeast Australian coast (Switzer and Burston, *Geomorphology* 2010) .
- First use of thin bed high-frequency ground penetrating radar techniques to characterize over wash sandsheets (Gouramanis et al., *Sed. Geol.* 2015; *Sci. Repts.* 2017)
- First databases of coastal hazards in China and provinces for tsunami (Lau et al., *NHESS*, 2010) and an integrated typhoon database for southern China (Yap et al. *Ocean Coast. Mgmt* 2015)

AWARDS and CONTRIBUTIONS

- First earth scientist to obtain the Cheung-Kong Endeavour Australia Award (2005)
- First earth scientist to obtain the Singapore NRF fellowship (2010-2015)
- Developer, primary proponent and co-leader of UNESCO-IUGS backed project IGCP588 – Preparing for coastal change Involving more than 250 scientists globally (2010-2015).
- Guest editor of two special issues in high impact journals; Quaternary International (2010) and Quaternary Science Reviews (2012).
- Editor of Volume 14 Treatise on Geomorphology (2013)
- Editorial board member of Geoscience Letters (2014 – present)

- Editorial board member of *Geoscience Letters* (2013 - 2016)
- Treasurer, Assistant treasurer and Executive council member Asia Oceania Geosciences Society (AOGS) (2013-2017)
- Conference Co-Chair EGU-AOGS Joint meeting on Natural Hazards, Tagaytay, Philippines (2018) and Yogyakarta (2020)

KEY RESEARCH AND DEVELOPMENT GRANTS (Full grant history available on request)

MOE Tier 1 Analytical Biomarkers for the Earth Sciences (AMBES) Co- S\$150000 CoPI 2019-2021

MOE Tier 2 The contribution of solid Earth deformation to sea- level change S\$471,500 CoPI 2018-2021

MOE Tier 2 Validating the Pacific Centennial Oscillation: Integrating models and paleo-data PI S\$601500. 2017-2020

MOE Tier 2 Monitoring sea-level change in SE Asia with the innovative use of GPS S\$964961 Co-PI 2017-2021

EdeX Grant. Peer assessment of field books for improving observational skills and reflective reasoning. S\$39,100 2017-2019

NRF Marine Science R&D Program. Physical and biogeochemical effects of sediment transport on coral reefs S\$483,350 Co-I 2016-2021

EOS competitive grant, Quaternary palaeoenvironments of the Kallang Basin in Singapore Co-Is B. Horton. C. Gouramanis, M. Bird, P. Moss, S\$329,250 2019-2021

MOE Tier 1 Preparing Asian mega cities for changing climate and the potential increase in extreme sea levels and storm surges. Co-Is Ning Lin, Robert Kopp and B. Horton. S\$250000 2015-2018

EOS competitive grant, Records of Early Holocene post glacial sea level rise from the Singapore Kallang Basin: stepped or continuous? Co-Is M. Bird, B. Horton. S\$226430 2014-2017

Singapore National Research Fellowship, NRF Singapore, Geological Records of Coastal Hazards in Asia, S\$3,217,474 2010-2015

Research Grants Council, General Research Fund (GRF). *Documentary and geological records of catastrophic marine inundations caused by large storms and tsunami on the coast of Taiwan and southeast China*, HK\$ 668,417, (~US\$84,000) 2008-2011

STUDENT SUPERVISION

Current PhDs

2017 – Yuting Yan (EOS) *Palaeovegetation history of the Kallang Basin southern Singapore*

2016 – Wenshu Yap (RSS) *Geomicrobiology of storm and tsunami deposits. (co-supervised with Federico Lauro)*

2015 – Constance Chua (Donor/RSS) *Considering hazards through the reinsurance lens: What's at risk and why?*

Graduated PhD students

2014-2019 Stephen Chua (EOS/IGS) *Quaternary environments of southern Singapore (now a postdoc at EOS)*.

2012-2017 Jdrzej Majewski (EOS/IGS) *Sea level of the Sunda Shelf. (now a postdoc at EOS)*

2011-2016 Lea Soria (EOS/NRF) *Coastal hazards in the central Philippines (now a Balik Scholar in Philippines)*

2011-2016 Dat Tien Pham (EOS/NRF) *Integrating modelling of extreme sea levels. (now lecturer at Vietnam National University, Vietnam)*

2011-2016 Lau Ai Yi Annie (NUS) *Assessing coastal hazards with high-energy wave-deposited boulders: Case studies from three tropical pacific islands (co-supervisor with Alan Ziegler NUS) (now lecturer at University of Queensland, Australia)*

2010-2015 Chen Mengli (Singapore MIT Alliance) *A study of the regional "sources" and "fluxes" of lead (Pb) using bulk Pb and Pb isotopes in corals (now researcher at TMSI NUS)*

2008-2011 Chiu Hon Chim (HKU) *Sedimentology and geomorphology of modern and relict lake systems in Tibet (now a lecturer at Hong Kong Baptist University)*

Graduated MPhil or MSc

2009-2010 Lau Ai Yi Annie (HKU) *Geological records of washover events at Qing' AO, Nan'ao Island, Southeastern China.*

2009-2010 Sylvia Chik Shun Wah (MSc HKU) *Internal sedimentology of washover deposits in Tai Long Wan, Hong Kong*

2008-2009 Esther Yeung (MSc HKU). *Beach erosion and recovery on the beaches of southeast Hong Kong Island, Hong Kong SAR, China (now at Halcrow, Hong Kong)*

2007-2008 Brandon Wu (MSc HKU). *Morphological relationships of coastal rock platforms of Shek-O, Hong Kong SAR.*

2006-2007 David Chu (MSc HKU). *Storm surge and tsunami risk in low-lying Hong Kong (now at Arup Abu Dhabi)*

KEY PUBLICATIONS

Key

5 year impact factor above 5.0 in [blue](#)

^ Denotes directly-supervised research staff. i.e. research assistants, postdocs, visiting scientists etc.

* Denotes directly-supervised students, i.e. Undergraduate, MPhil, MSc or PhD students (includes co-supervised students)

- Switzer, A.D., *Felix, R.P., *Soria, J.L.A., & Shaw, T. A. (2020). A comparative study of the 2013 typhoon Haiyan overwash sediments from a coastal cave and beach system at Salcedo, Eastern Samar, central Philippines. *Marine Geology*, 419, 106083.
- Mann, T., Bender, M., Lorscheid, T., Stocchi, P., Vacchi, M., Switzer, A., & Rovere, A. (2019). Relative sea-level data from the SEAMIS database compared to ICE-5G model predictions of glacial isostatic adjustment. *Data in brief*, 27, 104600.
- Mann, T., Bender, M., Lorscheid, T., Stocchi, P., Vacchi, M., Switzer, A.D., & Rovere, A. (2019). Holocene sea levels in southeast Asia, Maldives, India and Sri Lanka: the SEAMIS database. *Quaternary Science Reviews*, 219, 112-125.
- [Bradley, K., Mallick, R., Andikagumi, H., Hubbard, J., Meilianda, E., Switzer, A., Du, N., Brocard, G., Alfian, D., Benazir, B. and Feng, G., 2019. Earthquake-triggered 2018 Palu Valley landslides enabled by wet rice cultivation. *Nature Geoscience*, 12\(11\), pp.935-939.](#)
- *Pham, D.T., Switzer, A.D., Huerta, G., Meltzner, A.J., Nguyen, H.M. and Hill, E.M., 2019. Spatiotemporal variations of extreme sea levels around the South China Sea: assessing the influence of tropical cyclones, monsoons and major climate modes. *Natural Hazards*, 98(3), pp.969-1001.
- ^Martin, S.S., ^Li, L., Okal, E.A., Morin, J., Tetteroo, A.E., Switzer, A.D. and Sieh, K.E., 2019. Reassessment of the 1907 Sumatra "tsunami earthquake" based on macroseismic, seismological, and tsunami observations, and modeling. *Pure and Applied Geophysics*, 176(7), pp.2831-2868.
- Peng, D., Hill, E.M., ^Li, L., Switzer, A.D., Larson, K.M. (2019) Application of GNSS interferometric reflectometry for detecting storm surges *GPS Solutions* 23(2),47
- *Kumar, A., Lo, E.Y.M., Switzer, A.D. 2019 Relationship between East Asian cold surges and synoptic patterns: A new coupling framework *Climate* 7(2), 30-36
- ^Peng, D., Hill, E.M., Meltzner, A.J., Switzer, A.D. 2019 Tide Gauge Records Show That the 18.61-Year Nodal Tidal Cycle Can Change High Water Levels by up to 30 cm *Journal of Geophysical Research: Oceans* 124(1), 736-749
- *Pham, D.T., Switzer, A.D., Huerta, G., Meltzner A.M., Nguyen, H.M., Hill, E.M. 2019Spatiotemporal variations of extreme sea levels around the South China Sea: assessing the influence of tropical cyclones, monsoons and major climate modes *Natural Hazards* 1-33
- ^Martin, S.S., Li, L., Okal, E.A., Morin, J., Tetteroo, A.E., Switzer, A.D. and Sieh, K.E., Reassessment of the 1907 Sumatra "Tsunami Earthquake" Based on Macroseismic, Seismological, and Tsunami Observations, and Modeling. *Pure and Applied Geophysics*, 1-38.
- ^Li, L., Yang, J., Lin, C.Y., Chua, C.T., Wang, Y., Zhao, K., Wu, Y.T., Liu, P.L.F., Switzer, A.D., Mok, K.M. and Wang, P., 2018. Field survey of Typhoon Hato (2017) and a comparison with storm surge modeling in Macau. *Natural Hazards and Earth System Sciences* 18(12), 3167-3178
- *Majewski, J.M., Switzer, A.D., Meltzner, A.J., Parham, P.R., Horton, B.P., Bradley, S.L., Pile, J., Chiang, H.W., Wang, X., Ng, C.T. and Tanzil, J., 2018. Holocene relative sea-level records from coral microatolls in Western Borneo, South China Sea. *The Holocene*, 28(9), pp.1431-1442.
- ^Li, L., Switzer, A.D., Wang, Y., Chan, C.H., *Qiu, Q. and Weiss, R., 2018. A modest 0.5-m rise in sea level will double the tsunami hazard in Macau. *Science Advances*, 4(8), p.eaat1180.
- Pile, J^, Gouramanis, C^, Switzer, AD., Rush, B., Reynolds, I., Soria, JLA*. (2018). Can the risk of coastal hazards be better communicated?. *International Journal of Disaster Risk Reduction* 27, 439-450
- Murty, SA*, Goodkin, NF, Halide, H, Natawidjaja, D, Suwargadi, B, Suprihanto, I, Switzer AD, Gordon, AL (2017). Climatic Influences on Southern Makassar Strait Salinity Over the Past Century. *Geophysical Research Letters*, 44 (23).

- Soria, JLA[^], Switzer, AD., Pilarczyk, JE., Tang, H., Weiss, R., Siringan, F., Manglicmot, M., Gallentes, A., Lau, AYA., Lin, ACY. and Ling, TKW (2017). Surf beat-induced overwash during Typhoon Haiyan deposited two distinct sediment assemblages on the carbonate coast of Hernani, Samar, central Philippines. *Marine Geology*.
- Soria JLA, Switzer AD, Pilarczyk JE, Siringan FP, Khan NS, Fritz HM (2017) Typhoon Haiyan overwash sediments from Leyte Gulf coastlines show hybrid storm and tsunami signatures *Sedimentary Geology* 358, 121-138
- Gouramanis, C+, Switzer, AD., Jankaew, K., Bristow, CS., Pham, DT., & Ildefonso, SR. (2017). High-frequency Coastal Overwash Deposits from Phra Thong Island, Thailand. *Scientific Reports*, 7, 43742.
- Pham DT[^], Gouramanis C, Switzer AD, Rubin CM, Jones BG, Jankaew, K and Carr PF. (2017) Elemental and mineralogical analysis of marine and coastal sediments from Phra Thong Island, Thailand: Insights into the provenance of coastal hazard deposits *Marine Geology*
- Meltzner AJ+, Switzer AD, Horton BP, Qiu Q[^], Hill EM, Hill DF, Bradley SL, Majewski JM, Natawidjaja DH, Suwargadi BW. (2017) Half-metre sea-level fluctuations on centennial timescales from mid-Holocene corals of Southeast Asia. *Nature Communications*, 8.
- Chen, M[^], Boyle, EA, Lee, J-M, Nurhati, I, Zurbrick, C, Switzer, AD & Carrasco, G (2016), Lead isotope exchange between dissolved and fluvial particulate matter: A laboratory study from the Johor River estuary, *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 374, 2081.
- Li, L+, Switzer, AD, Chan, C-, Wang, Y, Weiss, R. & Qiu, Q[^]. (2016), How heterogeneous coseismic slip affects regional probabilistic tsunami hazard assessment: A case study in the South China Sea, *Journal of Geophysical Research: Solid Earth*, 121, 8, 6250-6272.
- Lau, AYA[^], Terry, JP, Ziegler, AD, Switzer, AD, Lee, Y & Etienne, S (2016), Understanding the history of extreme wave events in the Tuamotu Archipelago of French Polynesia from large carbonate boulders on Makemo Atoll, with implications for future threats in the central South Pacific", *Marine Geology*, 380, 174-190.
- Pilarczyk, JE, Horton, BP, Soria, JLA[^], Switzer, AD, Siringan, F, Fritz, HM, Khan, NS, Ildefonso, S, Doctor, A.A, Garcia, M.L. 2016, Micropaleontology of the 2013 Typhoon Haiyan overwash sediments from the Leyte Gulf, Philippines, *Sedimentary Geology*, 339, 104-114.
- Chen, M, Boyle, EA, Switzer, AD & Gouramanis, C (2016), A century long sedimentary record of anthropogenic lead (Pb), Pb isotopes and other trace metals in Singapore, *Environmental Pollution*, 213, 446-459.
- Chen, M, Goodkin, NF, Boyle, EA, Switzer, AD & Bolton, A (2016), Lead in the western South China Sea: Evidence of atmospheric deposition and upwelling, *Geophysical Research Letters*, 43, 9, 4490-4499.
- Soria, JLA[^], Switzer, AD, Villanoy, CL, Fritz, HM, Bilgera, PHT, Cabrera, OC, Siringan, FP, Maria Y Y-S, Ramos, RD and Fernandez IQ (2016) Repeat storm surge disasters of Typhoon Haiyan and its 1897 predecessor in the Philippines *Bulletin of American Meteorological Society* 97 (1), 31-48.
- Gouramanis, C+, Switzer, AD, Bristow, CS, Jankaew, K, Pham, DT, Rubin, CM, Lee Y, Ildefonso SR. Ground-Penetrating Radar examination of thin tsunami beds – A case study from Phra Thong Island, Thailand *Sedimentary Geology* 329, 149-165
- Li, LL+, Switzer AD, Wang Y, Weiss, R, Qiu, Q, Chan, C-H, Tapponnier, P. (2015) What caused the mysterious 18th century tsunami that struck the southwest Taiwan coast? *Geophysical Research Letters* 42, 8498–8506
- Williamson F, Allan R, Switzer AD, Chan JCL, Wasson RJ, D'Arrigo R, Gartner R. (2015) New directions in hydro-climatic histories: observational data recovery, proxy records and the atmospheric circulation reconstructions over the earth (ACRE) initiative in Southeast Asia. *Geoscience Letters* (2:2) 1-12
- Yap W[^], Lee Y[^], Gouramanis, C[^], Switzer AD, Yu F, Lau AYA*, Terry, J.P. (2015) A Historical Typhoon Database for the Southeastern Chinese Coastal Provinces, 1951 to 2012 *Ocean and Coastal Management*. 108, 109-115.
- Lau AYA*, Terry JP, Switzer AD, Pile J (2015) Advantages of beachrock slabs for interpreting high-energy wave transport. Evidence from Luda Island in south eastern Taiwan. *Geomorphology*
- Chen M*, Lee JM, Nurhati, IS, Switzer AD, Boyle EA (2015). Isotopic record of lead in Singapore Straits during the last 50 years: Spatial and temporal variations. *Marine Chemistry*, 168, 49-59.
- Switzer, AD, Yu F, Gouramanis C, Soria JLA, Pham DT (2014) Integrating different records to assess coastal hazards at multi-century timescales *Journal of Coastal Research* SI.70. 723-728
- Lau AYA*, Etienne S, Terry JP, Switzer AD, Lee YS[^] (2014) A preliminary study of the distribution, sizes and orientations of large reef-top coral boulders deposited by extreme waves at Makemo Atoll, French Polynesia *Journal of Coastal Research* SI.70. 272-277

- Paris R[^], Switzer AD., Belousova M, Belousov A, Ontowirjo B, Whelley PL, Ulvrova M. (2014) Volcanic tsunami: a review of source mechanisms, past events and hazards in Southeast Asia (Indonesia, Philippines, Papua New Guinea) *Natural Hazards* 70 (1), 447-470
- Sim SY[^], Huang Z, Switzer AD (2013) An experimental study on tsunami inundation over complex coastal topography *Theoretical and Applied Mechanics Letters* 3 (3), 032006-032006-6
- Yu F[^], Switzer AD., Lau AYA.*., Yeung HYE*., Chik SW*., Chiu HC*., Huang Z., Pile J[^]. (2013) A comparison of the post-storm recovery of two sandy beaches on Hong Kong Island, southern China *Quaternary International* 304, 163–175
- Gouramanis, C[^], Deckker, PD, Switzer, AD, Wilkins, D. (2013). [Cross-continent comparison of high-resolution Holocene climate records from southern Australia—deciphering the impacts of far-field teleconnections. *Earth-Science Reviews*. 121; 55-72](#)
- Lee YS[^], Gouramanis C[^], Switzer AD, Bristow CS, Soria JLA*, Pham DT*, Lam DD., Que HD. (2013) Ground penetrating radar (GPR) survey of formerly mined coastal sand in central Vietnam: a rapid, non-invasive method for investigating the extent and impact of mined areas. *Journal on Geological and Earth Sciences*. 1 (1); 18-26
- Switzer AD., Sloss CR, Horton BP, Zong Y. (2012) [Preparing for coastal change. *Quaternary Science Reviews* 54 1-4](#)
- Courtney C[^], Goff JR, Dominey-Howes D, Chagué-Goff C, Switzer AD, McFadgen B. (2012) [A synthesis and review of the geological evidence for palaeotsunamis along the coast of southeast Australia: The evidence, issues and potential ways forward. *Quaternary Science Reviews* 54, 99-125](#)
- Zong Y, Huang K, Yu F[^], Zheng Z., Switzer AD, Huang G, Wang N, Tang M. (2012) [The role of sea-level rise, monsoonal discharge and the palaeo-landscape in the early Holocene evolution of the Pearl River delta, southern China. *Quaternary Science Reviews* 54, 77-89](#)
- Switzer AD., Srinivasalu S., Thangadurai N, Mohan VR. (2012) Bedding structures in Indian tsunami deposits that provide clues to the dynamics of tsunami inundation *Geological Society Special Publication*, 361 (1), 61-77.
- Yu, F[^], Zong Y, Lloyd JM., Leng MJ, Switzer AD, Yim WW-S, Huang G., (2012), [Mid-Holocene variability of the East Asian monsoon based on bulk organic \$\delta^{13}C\$ and C/N records from the Pearl River estuary, southern China *The Holocene*.](#)
- Switzer, AD, Mamo, B., Dominey-Howes, D., Jones BG., Haslett, SK., Everett DM (2011) [On the possible origins of an unusual \(mid- to late-Holocene\) coastal deposit, Old Punt Bay, South-East Australia. *Geographical Research*, 49 \(4\), 408-430.](#)
- Goodkin, NF., Switzer, AD., McCorry, D., DeVantier, L., True, JD., Hughen, KA, Wang TT. (2011) [Coral communities of Hong Kong: Long-lived corals in a marginal reef environment *Marine Ecology Progress Series*, 426, 185-196.](#)
- Yang S., Tang M, Yim WW-S, Zong Y, Huang G, Switzer, AD, Saito Y. [Burial of organic carbon in Holocene sediments of the Zhujiang \(Pearl River\) and Changjiang \(Yangtze River\) estuaries *Marine Chemistry* 123 \(1-4\) , 1-10](#)
- Switzer AD, Saito Y, Yokoyama Y, Catto N (2011) [Sediment source-to-sink, human influences paleoenvironmental reconstruction in the coastal zone of East and Southeast Asia. *Quaternary International*, 230, 1-2](#)
- Wang B-S, Goodkin NF, Angeline N, Switzer AD, You C-F, Hughen K. (2011) [Temporal distributions of anthropogenic Al, Zn and Pb in Hong Kong Porites coral during the last two centuries *Marine Pollution Bulletin*, 63 \(5-12\), pp. 508-515.](#)
- Lau AYA*, Switzer AD, Dominey-Howes D, Aitchison JC, Zong Y. (2010) [Written records of historical tsunamis in the northeastern South China Sea - Challenges associated with developing a new integrated database. *Natural Hazards and Earth System Science* 10 \(9\), pp. 1793-1806](#)
- Switzer AD, and Burston JM. (2010) [Competing mechanisms for boulder deposition on the southeast Australian coast. *Geomorphology* 114 \(1-2\), 42-54](#)
- Switzer AD, Sloss, CR, Jones BG, Bristow CS. (2010) [Geomorphic evidence for mid-late Holocene higher sea level from southeastern Australia *Quaternary International* 221 \(1-2\) 13-22](#)
- Sloss CR, Jones BG, Switzer AD, Nichol S, Clement AJH, Nicholas AW (2010) [The Holocene infill of Lake Conjola, a narrow incised valley system on the southeast coast of Australia *Quaternary International* 221\(1-2\) 23-35](#)
- Zong Y, Huang G, Switzer AD, Yu F, Yim WW-S. (2009) [An evolutionary model for the Holocene formation of the Pearl River delta, China. *The Holocene* 19\(1\) 129-142](#)
- Switzer AD Jones BG (2008a) [Large-scale washover sedimentation in a freshwater lagoon from the southeast Australian coast: tsunami or exceptionally large storm. *The Holocene* 18\(5\): 787-803.](#)
- Switzer AD and Jones BG (2008b) [Set-up, deposition and sedimentary characteristics of two storm overwash deposits, Abrahams Bosom Beach, eastern Australia *Journal of Coastal Research* 24 1A 189-200](#)

- Srinivasalu S., Thangadurai N, Switzer AD, Ram Mohan V, Ayyemperumal T. (2007) Erosion and sedimentation in Kalpakkam (Northern Tamil Nadu, India) from the 26 December 2004 tsunami. *Marine Geology* 240 65-75
- Switzer AD, Bristow CS Jones, B.G. 2006 An erosional signature for large-scale washover identified using Ground Penetrating Radar on a small Holocene barrier from the southeast Australian coast. *Sedimentary Geology* 183: 145-146
- Switzer AD, Pucillo K, Haredy RA, Jones BG, Bryant EA (2005) Sea-level, storms or tsunami; enigmatic sand sheet deposits in sheltered coastal embayment from southeastern New South Wales Australia *Journal of Coastal Research* 21 (4): 655-663
- Chivas AR, Garcia A, Van der Kaars S, Couapel MJJ, Holt S, Reeves JM, Wheeler DJ, Switzer AD et al., (2001). Sea-level and environmental changes since the last interglacial in the Gulf of Carpentaria, Australia: An overview. *Quaternary International* 82-85, pp. 19-46

Plus 4 Book chapters and 3 treatise and encyclopedias

Outreach and media

I have been active in outreach in the Asia/Pacific for more than 15 years. I have been featured in documentaries promoting the earth sciences for BBC and Curiosity Channel (Discovery). I have been featured and interviewed on Asia wide news network Channel News Asia (CNA) more than 10 times. In print I have been cited in more than 70 media articles on climate change, storms and tsunamis in Asia including by news agencies Agence France-Presse (AFP), Reuters, CNN and BBC.

Advisory boards and project leadership

I am the Singapore representative on the The Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP) an intergovernmental organization whose mission is to facilitate and coordinate the implementation of applied geoscience programmes in East and Southeast Asia in order to contribute to economic development and the improvement of the quality of life in the region.

I am the Singapore representative on the IAEA project RAS7037 – Enhancing Wetland Management and Sustainable Conservation Planning (RCA).