

Dr. LICHT Alexis – Assistant Professor Sedimentary geologist, paleobiologist

Department of Earth and Space Sciences, University of Washington, Seattle, WA 98105, USA
Tel : +1 206 221 7829
Email : licht@uw.edu
Born: June 18th, 1985, in Paris, France. 33 years old.

SKILLS

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|--------------------------|--|
| Sed. Geology | Fluvial Sedimentology Pedology Sedimentary Petrology Clay Mineralogy |
| Sed. Geochemistry | Geochronology (U-Pb, Sr and Nd isotopes) through TI-, ICP- and LA-ICP- Mass Spectrometry Stable and clumped isotopes geochemistry |
| Paleobotany | Paleoecology (fossil wood identification) |
| Paleomagnetism | Paleointensity determination, field modeling |

EDUCATION AND EMPLOYMENT

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| September 2016 onwards | Assistant Professor, Department of Earth and Space Sciences (ESS), University of Washington (Seattle, USA) Head of the ESS heavy minerals separation lab, co-supervisor of a LA-ICP-MS platform for U-Pb dating, teaching sedimentary geology and paleobiology classes. |
| September 2015 - August 2016 | Marie Curie postdoctoral Fellow, Institut für Erd und Umweltwissenschaften (Potsdam Universität, Germany) Postdoctoral position on Asian paleoclimates under the supervision of M. Strecker (Laureate of a 2-years Marie Curie fellowship) |
| January 2015 – September 2015 | Postdoc at the Biodiversity Institute, University of Kansas (Lawrence, USA) |
| September 2015 | Postdoctoral position on Eocene paleoclimatic & paleogeographic reconstructions under the supervision of K.C. Beard. |
| January 2014 – December 2014 | Postdoc at the Department of Geosciences, University of Arizona (Tucson, USA) Postdoctoral position on Eocene paleoclimatic & paleoaltimetric reconstructions under the supervision of J. Quade. Laureate of a 1-year Fyssen Fondation study grant. |
| September 2010 – November 2013 | PhD student at the Institut de Paléontologie Humaine : Evolution et Paléoenvironnements (IPHEP, Poitiers, France) & Centre de Recherches Pétrographiques et Géochimiques (CRPG, Nancy, France) PhD Thesis « Paleodrainage, paleoenvironments and paleoclimate of the Burmese Eocene series: implications on the origin and the early evolution of Asian anthropoids ». Directors: J.J. Jaeger (IPHEP) & C. France-Lanord (CRPG). |
| September to December 2009 | Internship at Areva BU Mines (France, Mongolia) Exploration campaign in the Gobi Desert (Mongolia), core logging and geochemical modeling of the uranium ore dynamics. |
| January 2009 – July 2010 | Research Internships at the Institut de Physique du Globe de Paris (IPGP, France) Research study in archeomagnetism (ceramic samples dating, geomagnetic modeling), under the direction of Y. Gallet & G. Hulot. |
| August 2008 - December 2009 | Master's degree in Applied Engineering, Ecole des Mines de Paris (ENSMP, France) Majored in Geosciences, specialized in Geology. |
| April to August 2008 | Internship at Total SA (France, Canada) Depositional modeling of the Mc Murray Formation (Alberta). Field trips in Alberta, Western Canada. |
| August 2005 - December 2009 | Master's Degree in Civil Engineering, Ecole Polytechnique (X, Palaiseau, France) Majored in Physics, Applied Mathematics and Earth Sciences. |
| September 2006 - June 2009 | Bachelor's Degree in History Study in parallel with the École Polytechnique curriculum, carried out at Paris X Nanterre. |

PAST PROFESSIONAL OFFICES / SERVICES / AWARDS

Offices and services

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|-------------------------------------|--|
| September 2010 - August 2013 | Université de Poitiers (Poitiers, France) – Teaching assistant Teaching in Paleoclimatology, Regional Geology of France, Earth Surface Dynamics and Cartography for three years. |
| 2008 - 2011 | Scène-Expériences (Paris, France) – Trainer in Communication Trainer in communication skills through theatre, consultant for banking and consulting groups. |
| September 2008 - June 2009 | Lycée Lakanal (Sceaux, France) – Oral examiner in Scientific preparatory classes Weekly oral examiner in Mathematics. |
| Spring and Summer 2007 | Study Up (Paris, France) – Learning support teacher for students in Scientific preparatory classes Teaching in Mathematics and Physics. |
| June 2006 - December 2007 | X-MicroFinance (Palaiseau, France) - President Founder and first president of X-MicroFinance, humanitarian association of development aid; Founder of a bank for poor people in Guatemala. Coordination of the activity of more than sixty volunteers and organization of national events. |
| September 2005 - April 2006 | Military service (French Guyana, France) – Officer Army officer: training at School of Saint-Cyr Coëtquidan, then platoon commander in Saint-Jean-du-Maroni (French Guyana). |
| Awards | |
| May 2014 | Van Straelen award of the Société Géologique de France Best PhD on Surface Geology in 2013. |
| June 2000 | First prize of the "Géophiles" competition National competition of Geography and Earth Sciences. |

UW SERVICES / COMMITTEES / DUTIES / AWARDS

Services & Duties

· Co-manager of the Trace Element Lab

The lab includes two ICP-mass spectrometers and one laser acquired in Summer 2016 and is designed to provide trace element compositional and isotopic analyses of a broad type of material. Duties includes: managing machine use and maintenance, managing and mentoring one full time technician, designing and monitoring a cost-center budget, controlling data quality.

· Co-manager of ESS rock preparation labs

Various duties including: managing machine use and maintenance, user training, designing the rock prep website and writing tutorials (<http://rockprep.ess.washington.edu/>), controlling the cleaning and the safety of the rooms.

· Founder and PI of the Myanmar Paleoclimate and Geodynamics Research Group

Various duties including: managing a team of >15 international scientists, organizing field trips and outreach activities in Myanmar, managing scientific collaboration with Burmese authorities and academics, updating the team's website (<https://myapgr.blog/>).

· Department colloquium organizer (Winter and Spring 2018)

· Member of the Graduate admission committee

Teaching

ESS 455 (Stratigraphy) – Winter quarter 2017 and 2018

ESS 456 (Sedimentary Geology and Depositional Environments) – Spring Quarter 2017 and 2018

BIOL 483 (Seminar in Paleobiology) – Winter Quarter 2018

ESS 400a (Summer field camp) – Summer Quarter 2018

INVITED TALKS

- University Aix-Marseille, CEREGE, Aix-en-Provence, France (September 2018).
- Louisiana State University, Baton Rouge, USA (March 2018).
- University of Lyon, Lyon, France (December 2017).
- University of Yangon, Yangon, Myanmar (December 2016).
- University of East Yangon, Yangon, Myanmar (December 2016).
- Biodiversität und Klima Forschungszentrum (Bik-F), Frankfurt, Germany (February 2016).
- Universität Frankfurt, Frankfurt, Germany (January 2016).
- Geoforschungszentrum (GFZ), Potsdam, Germany (November 2015).
- NSF Seminar *the Colonization of Africa by Early Anthropoid Primates*, Santa Fe, USA (March 2015).
- University of Arizona, Tucson, USA (December 2014)
- University of Kansas, Lawrence, USA (September 2014)
- University of Washington, Seattle, USA (July 2014; April 2015)
- Muséum National d'Histoire Naturelle, Paris, France (June 2014)
- Université de Rennes, France (June 2014)
- Laboratoire des Sciences du Climat et de L'environnement, Saclay, France (June 2014)
- Institut de Physique du Globe de Paris, France (May 2014)
- Université de Grenoble, France (May 2014)
- Utrecht Universiteit, The Netherlands (November 2013)

STUDENT ADVISEES AND COMMITTEE MEMBERSHIP

Present graduate students:

Megan Mueller, Hope Sisley, Virginia Littell

Present undergraduate students:

Sam Shekut, Ian Spendlove, Aida Rusman, Gui Aksit, Chris Baird, Jon Rowe

Past undergraduate students:

Lauren Burch, Kevin Jackson, Christopher Remilly, Kyle Lowery, Diana Parks, Dominic Jones, Mara Page

Graduate student committee membership:

Megan Mueller, Hope Sisley, Virginia Littell, Julia Kelson, Paige Wilson, Erik Goosmann

RESEARCH GRANTS

Awarded

April 2018 - March 2019 Royalty Research Fund (RRF) fellowship

35 k\$ to study the uplift history of the Cascade Mountain Range.

September 2015 - Alexander von Humboldt Postdoctoral fellowship

2-years Postdoctoral fellowship –granted but declined because non cumulative with a Marie Curie postdoctoral fellowship.

September 2015 - European Union Marie Curie Postdoctoral fellowship

2-years Postdoctoral fellowship (shortened to one year after moving to the US).

September 2016 Fyssen Foundation Postdoctoral fellowship

1-year Postdoctoral fellowship.

January to December 2014

AMX PhD fellowship

3-years PhD fellowship from the Ecole polytechnique.

September 2010 – August 2013

Pending

Submitted in July 2018 CAREER National Scientific Foundation (NSF) fellowship

550 k\$ to study Eocene Neotethyan biogeography.

Submitted in October 2018 European Research Council (ERC) Starting Grant

1.5 M\$ to study the geological context of appearance and diversification of early anthropoid primates.

PUBLICATIONS

*indicates students I advise at UW.

In review or revision:

(24) A. Licht & L. Giosan. The Ayeyarwady River. *Large Rivers*, 2nd edition (Book chapter).

(23) C. Campbell, M. Taylor, A. Licht, F. Ocakoglu, M. Mueller*, A. Moller & N. McLean. Synchronous Subduction and Suturing of Northwest Anatolia (Turkey) Revealed using Detrital Zircon U-Pb Geochronology and Hf Isotopic Tracers. *Earth and Planetary Science Letters*.

(22) M. Page*, A. Licht, G. Dupont-Nivet, N. Meijer, A. Schauer, K. Huntington, D. Bajnai, J. Fiebig, A. Mulch, & Z. Guo. Synchronous cooling and decline in monsoonal rainfall in NE Tibet through the fall into the Oligocene Icehouse. *Geology*.

(21) S. Botsyun, P. Sepulchre, Y. Donnadieu, C. Risi, A. Licht, & J.K. Caves. Revisited Paleothermometry Data Show Low Tibetan Plateau Elevation during the Eocene. *Science*.

(20) N. Meijer, G. Dupont-Nivet, H.A. Abels, M. Kaya, A. Licht, M. Xiao, Y. Zhang, P. Roperch, M. Poujol, Z. Lai & Z. Guo. Central Asian moisture modulated by proto-Paratethys Sea incursions since the Early Eocene. *Earth and Planetary Science Letters*.

Published:

(19) G. Métais, P. Coster, J.R. Kappelman, A. Licht, F. Ocakoglu, M. Taylor, & K.C. Beard. (in press) Eocene metatherians from Anatolia illuminate the assembly of an island fauna during Deep Time. *Plos One*.

(18) W. Zhixiang, S. Yongjin, A. Licht & H. Chunju (in press). Sedimentology and magnetostratigraphy of the Middle Miocene Ashigong Formation, Guide Basin, China, and its implications for the tectonic and paleoclimatic evolution of NE Tibet. *Paleoceanography and Paleoclimatology*.

(17) A. Licht, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, P. Roperch, D. Park*, V. Littell*, J. Westerweel, D. Jones*, F. Poblete, Day Wa Aung, H. Huang, C. Hoorn, & Kyaing Sein (in press). Paleogene evolution of the Burmese forearc basin and implications for the history of India-Asia convergence. *GSA Bulletin*.

(16) F. Ocakoglu, A. Hakyemez, S. Acikalin, S. Altiner, Y. Büyükeremir, A. Licht, U. Tekin, H. Demircan, Ü. Safak, A. Yıldız, İ. Yılmaz, M. Wagreich, C. Campbell (in press). Chronology of Subduction and Collision along the Izmir-Ankara Suture in Western Anatolia: records from the Central Sakarya Basin. *International Geology Review*.

(15) M.F. Jones, P. Coster, A. Licht, G. Métais, F. Ocakoglu, M. Taylor & K.C. Beard (in press). A stem bat (Chiroptera: Palaeochiropterygidae) from the late middle Eocene of northern Anatolia: Implications for the dispersal and paleobiology of early bats. *Paleobiodiversity and Palaeoenvironments*.

(14) M. De Los Santos, P. Copeland, T. Lawton, A. Licht & S. Hall (2018). Magnetostratigraphy, age and depositional environment of the Lobo Formation, southwest New Mexico: Implications for the Laramide orogeny in the southern Rocky Mountains. *Basin Research* 30 (S1), 401-423.

(13) A. Licht, P. Coster, F. Ocakoglu, C. Campbell, G. Métais, A. Mulch, M. Taylor, J. Kappelman (2017). Tectono-stratigraphy of the Orhaniye Basin, Turkey: Implications for collision chronology and Paleogene biogeography of central Anatolia. *Journal of Asian Earth Sciences* 143, 45-58.

(12) A. Licht, J. Quade, A. Kowler, M. De Los Santos, A. Hudson, A. Schauer, K. Huntington, P. Copeland & T. Lawton (2017). Impact of the North American monsoon on isotope paleothermometers: implications for the paleothermometry of the American Southwest. *American Journal of Science* 317, 1-23.

(11) A. Licht, G. Dupont-Nivet, A. Pullen, P. Kapp, H.A. Abels, Z. Lai, Z. Guo, J. Abell & D. Giesler (2016). Resilience of the Asian atmospheric circulation shown by Paleogene dust provenance. *Nature Communications* 7, 12390.

(10) A. Licht, A. Pullen, P. Kapp, J. Abell & D. Giesler (2016). Eolian cannibalism: Reworked loess and fluvial sediment as the main sources of the Chinese Loess Plateau. *Geological Society of America Bulletin*, B31375-1.

(9) A. Licht, L. Reisberg, C. France-Lanord, Aung Naing Soe & J.J. Jaeger (2016). Cenozoic evolution of the central Myanmar drainage system: insights from sediment provenance in the Minbu Sub-Basin. *Basin Research* 28, 237-251.

(8) A. Licht, A. Boura, D. De Franceschi, T. Utescher, Chit Sein, & J.J. Jaeger (2015). Late middle Eocene fossil wood of Myanmar: implications for the landscape and the climate of the Eocene Bengal Bay. *Review of Palaeobotany and Palynology* 216, 44-54.

(7) A. Licht, M. van Cappelle, H. A. Abels, J.B. Ladant, J. Trabucho-Alexandre, C. France-Lanord, Y. Donnadieu, J. Vandenberghe, T. Rigaudier, C. Lécuyer, D. Terry Jr., R. Adriaens, A. Boura, Z. Guo, Aung Naing Soe, J. Quade, G. Dupont-Nivet & J.-J. Jaeger (2014). Asian monsoons in a late Eocene greenhouse world. *Nature* 513, 501-506.

(6) X. Valentin, B. Gomez, V. Daviero-Gomez, S. Charbonnier, P. Ferchaud, A.G. Kirejtshuke, A. Licht, D. Néraudeau, R. Vullo & G. Garcia (2014). Plant-dominated assemblage and invertebrates from the lower Cenomanian of Jaunay-Clan, south-western France. *Comptes Rendus Palévol* 13, 443-454.

(5) A. Licht, I. Cojan, L. Caner, Aung Naing Soe, J.J. Jaeger & C. France-Lanord (2014). Role of permeability barriers in alluvial hydromorphic palaeosols: the Eocene Pondaung Formation, Myanmar. *Sedimentology* 61, 362-382.

(4) A. Licht, A. Boura, D. De Franceschi, S. Ducrocq, Aung Naing Soe & J.J. Jaeger (2014). Fossil woods from the Late Middle Eocene Pondaung Formation, Myanmar. *Review of Palaeobotany and Palynology* 202, 29-46.

(3) I.G. Usoskin, G. Hulot, R. Roth, A. Licht, F. Joos, G.A. Kovaltsov, E. Thebaud & A. Khokhlov (2014). Evidence for distinct modes of solar activity. *Astronomy and Astrophysics* 562, L10.

(2) A. Licht, C. France-Lanord, L. Reisberg, C. Fontaine, Aung Naing Soe & J.J. Jaeger (2013). A palaeo Tibet-Myanmar connection? Reconstructing the late Eocene drainage system of central Myanmar using a multi-proxy approach. *Journal of the Geological Society, London* 170, 929-939.

(1) A. Licht, G. Hulot, Y. Gallet & E. Thebaud (2013). Ensembles of low degree archeomagnetic field models for the past three millennia. *Physics of the Earth and Planetary Interiors* 224, 38-67.

OTHER PUBLICATIONS

Articles in large-audience journals and books:

- **A. Licht** (2016). La mousson asiatique remonte à 40 millions d'années. in *Encyclopaedia Universalis 2016* (French edition), Encyclopaedia Britannica, Chicago U.S., 331-332.

International medias speaking about my scientific works:

- *The Economist*, *the Times of India*, *The Business Spectator*, *Pour La Science* (in French), *L'Est Republicain* (in French) (September 2014).
- *The International Business Time*, *Science Daily* (September 2016)

PARTICIPATION IN INTERNATIONAL CONFERENCES

- **Main convener** of the 2017 scientific session on the Cenozoic paleoclimates and Ecosystem at the Geological Society of America conference meeting in Seattle.
- **Co-convener** of the 2018 scientific session on the Irrawaddy River at the American Geophysical Union conference meeting in Washington DC.
- **Co-convener** of the 2016, 2017, and 2018 scientific sessions on the Asian Monsoons at the European Geosciences Union conference meeting in Vienna.
- **Organisation committee member** of the 2016 Basin Geology symposium of the Turkish association of Sedimentology, Eskisehir (Turkey; September 2016).
- Dupont-Nivet G, Meijer N, Kaya M, Westerweel J, Tardif D, Barbolini N, Rohrmann A, Aminov J, **Licht A**, Poblete F, Roperch P, Hoorn C, Proust JN, Fluteau F, Donnadiou Y, Guillot S, Guo Z, Aung D. Paleogeographic and paleoenvironmental reconstructions of the India-Asia collision. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- **A. Licht**, Dupont Nivet G, Win Z, Kaythi M, Swe H, Roperch P, Ugrai T, Littell V, Park D, Westerweel J, Jones D, Poblete F, Wa Aung D, Huang H, Hoorn C, Sein K. Cenozoic evolution of the Burmese subduction margin and implications for the history of India-Asia convergence. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- Westerweel J, Roperch P, **Licht A**, Dupont-Nivet G, Win Z, Poblete F, Huang H, Swe H, Littell V, Swe H, Kai Thi M, Hoorn C, Wa Aung D. First paleomagnetic constraints on the latitudinal displacement of the West Burma block. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- H. Huang, **A. Licht**, R. Morley, G. Dupont-Nivet, Zaw Win, J. Westerweel, V. Littell, Hnin Hnin Swe, Myat Kaythi, Day Wa Aung, P. Roperch, F. Poblete, Kyaing Sein, P. Jardine, A. Philip, and C. Hoorn. Eocene – Oligocene palynology of the Central Myanmar Basin corroborates monsoonal conditions in south-east Asia. *EPPC 2018 Meeting*, Dublin, Ireland (Poster, August 2018).
- J. Westerweel, P. Roperch, **A. Licht**, G. Dupont-Nivet, Zaw Win, F. Poblete, H. Huang, V. Littell, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung. First Paleomagnetic Constraints on the Latitudinal Displacement of the West Burma Block. *Castle 2018 meeting*, Chechny, Poland (oral, June 2018).
- N. Barbolini, G. Dupont-Nivet, H. Ao, N. Meijer, **A. Licht**, C. Hoorn. Acute Asian cooling across the Eocene–Oligocene transition evidenced by ecosystem restructuring on the Tibetan Plateau. *Egu 2018 Meeting*, Vienna, Austria (oral, April 2018)
- J.K. Caves Rugenstein, S.H. Kramer, D.E. Ibarra, **A. Licht**, C.P. Chamberlain. Carbon Isotope Evidence for Changes in Cenozoic Mid-Latitude Primary Productivity and Water Use Efficiency. *Egu 2018 Meeting*, Vienna, Austria (oral, April 2018)
- C. Campbell, M. Taylor, **A. Licht**, M.A. Mueller, A. Moller, F. Ocakoglu, G. Metais, K.C. Beard. Tectonic evolution of the Izmir Ankara Suture Zone in northwest Turkey using zircon U-Pb geochronology and zircon Lu-Hf isotopic tracers. *AGU 2017 meeting*, New Orleans, USA (oral, December 2017).
- P. Roperch, **A. Licht**, G. Dupont-Nivet, Zaw Win, F. Poblete, Day Wa Aung, J. Westerweel, Hnin Hnin Swe, Myat Kay Thi. First paleomagnetic constraints on the latitudinal displacement of the west Burma Block. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- C. Campbell, M. Taylor, **A. Licht**, M.A. Mueller, A. Moller, N. McLean, F. Ocakoglu, P. Coster, G. Metais, K.C. Beard. Tectonic evolution of the Izmir Ankara Suture Zone in northwest Turkey using zircon U-Pb geochronology and zircon Lu-Hf isotopic tracers. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- M. Turzewski, K.W. Huntington, and **A. Licht**. The role of megafoods in shaping the eastern Himalayan syntaxis: insights from the sedimentary provenance of slackwater flood deposits in northeastern India. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- K.C. Beard, G. Metais, P. Coster, F. Ocakoglu, **A. Licht**, and M. Taylor. Assembly of an endemic island biota on the Eocene Pontide terrane (northern Anatolia): paleogeographic and paleoclimatic implications. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- **A. Licht**, M. Page, N. Meijer, A.J. Schauer, D. Bajnai, J. Fiebig, A. Mulch, K.W. Huntington, H. Abels, Z. Guo, Z. Lai, G. Dupont-Nivet. Paleogene desertification of central Asia seen through the paleosol record: a tale of clumped isotopes and soil paleobarometry. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- **A. Licht**, G. Dupont-Nivet, Zaw Win, Virginia Littell, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung, P. Roperch, F. Poblete, H. Huang, C. Hoorn, and Kyaing Sein. Onset of Indian oblique convergence along the Burmese subduction margin recorded in Upper Eocene sedimentary deposits of central Myanmar. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- V. Littell, **A. Licht**, G. Dupont-Nivet, Zaw Win, A.J. Schauer, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung, P. Roperch, F. Poblete, H. Huang, C. Hoorn, and Kyaing Sein. Paleoclimatic reconstruction of Late Eocene Myanmar via stable isotope proxies. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- M.A. Mueller, **A. Licht**, C. Campbell, F. Ocakoglu, M. Taylor, L. Burch, P. Coster, G. Metais, and K.C. Beard. Chronology of Suture and post-collisional deformation of the Anatolian orogeny, Turkey: insights from geochronology and sedimentology of the Saricakaya Basin, Western Anatolia. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- K.C. Beard, G. Metais, **A. Licht**, P. Coster, F. Ocakoglu, J. Kappelman & M. Taylor. Dispersal of early haplorhine primates by rafting across Tethys: Discovery of an Eocene omomyid from northern Anatolia. *American Association of Physical Anthropologists 2017 Meeting*, New Orleans, USA (oral, April 2017)
- F. Poblete, G. Dupont-Nivet, **A. Licht**, F. Guillocheau & G. Baby. Preliminary global paleogeographic maps through the Greenhouse-Icehouse transition: forcing of the Drake Passage and Asian Monsoons. *Egu 2017 Meeting*, Vienna, Austria (poster, April 2017)
- N. Meijer, R. Tjallingii, M. Kaya, **A. Licht**, H. Abels, Y. Zhang, Z. Guo, Z. Lai & G. Dupont-Nivet. Astronomical forcing of Eocene monsoons in terrestrial sediments of the northeastern Tibetan Plateau. *Egu 2017 Meeting*, Vienna, Austria (poster, April 2017)
- S. Botsyun, P. Sepulchre, Y. Donnadiou, C. Risi, J.K. Caves, & **A. Licht**. Modeling the response of precipitation oxygen stable isotopes to the Eocene climate changes over Asia. *Egu 2017 Meeting*, Vienna, Austria (oral, April 2017)
- G. Dupont-Nivet, **A. Licht**, A. Bernard, P. Roperch, Zaw Win, J.-J. Jaeger, Day Wa Aung, Myat Kaythi, Hnin Hnin Swe, & F. Poblete. Late Eocene Myanmar tectonics constrained by magnetostratigraphy of the Yaw Formation, Chindwin Basin, Kalewa. *Egu 2017 Meeting*, Vienna, Austria (oral, April 2017)
- K.C. Beard, G. Metais, P. Coster, F. Ocakoglu, **A. Licht** & M. Taylor. Tethyan island biogeography during the Eocene: a view from northern Anatolia. *SVP 2016 Meeting*, Salt Lake City, USA (oral, October 2016)
- **A. Licht**, A. Pullen, P. Kapp, J. Abell and D. Giesler. Reworked loess and Yellow River sediment as the main sources of the Chinese Loess Plateau. *EGU 2016 meeting*, Vienna, Australia (poster, April 2016)
- **A. Licht**, G. Dupont-Nivet, A. Pullen, P. Kapp, H. Abels, J. Abell and D. Giesler. Resilience of Asian Atmospheric circulation revealed by Paleogene dust provenance. *EGU 2016 meeting*, Vienna, Australia (poster, April 2016)
- **A. Licht**, A. Pullen, P. Kapp, R. Adriens, H. Abels, M. van Kappelle, J. Vandenberghe and G. Dupont-Nivet. Asian Winter monsoons in the Eocene: Evidence from the aeolian dust series of the Xining Basin. *AGU 47th Fall meeting*, San Francisco, USA (poster, December 2014)
- **A. Licht**, J.B. Ladant, C. France-Lanord, Y. Donnadiou, C. Lécuyer, A. Boura, D. de Franceschi and J.J. Jaeger. Modern-like Indian monsoons in the Eocene: Evidence from the Sedimentary series of Myanmar. *Geological Society of America 2014 meeting*, Vancouver, Canada (oral, October 2014)
- **A. Licht**, I. Cojan, L. Caner, J.-J. Jaeger & C. France-Lanord. Vers l'élaboration d'un modèle général de variation latérale pédologique dans les dépôts alluviaux, outil stratigraphique pour les séries fluviales. *14th congrès français de Sédimentologie*, Paris, France (oral, November 2013)
- **A. Licht**, G. Hulot, Y. Gallet & E. Thebaud. Ensembles of low degree archeomagnetic field models for the past three millennia. *International Association of Geomagnetism and Aeronomy 12th Scientific Assembly*, Merida, Mexico (poster, August 2013)
- A. Boura, **A. Licht** and D. De Franceschi. The Oldest Paleo-Sal Forest? Reconstruction of Myanmar Eocene vegetation. *2nd International Conference of Agora Paleobotanica*, Arino, Spain (oral, July 2013)
- **A. Licht**, G. Hulot, Y. Gallet & E. Thebaud. A_FM, ASD_FM et ASDI_FM, une nouvelle famille de modèles de champ archéomagnétique. *Colloquium of the French paleomagnetists - Paléomagnétisme en France: résultats récents et perspectives*, Paris, France (oral, March 2013)
- **A. Licht**, I. Cojan, L. Caner, J.J. Jaeger & C. France-Lanord. Paleoenvironments of the Burmese Paleogene primates: the late Middle Eocene Pondaung Formation, Myanmar. *2nd Southeast Asian Gateway Evolution Meeting*, Berlin, Germany (oral, March 2013)
- **A. Licht**, C. France-Lanord, C. Fontaine, Chit Sein, Aung Naing Soe & J.J. Jaeger. Sediment provenance of the Central Myanmar Eocene drainage system: a multi-proxy approach. *AGU 45th Fall meeting*, San Francisco, USA (poster, December 2012)
- **A. Licht**, C. France-Lanord, I. Cojan, Aung Naing Soe & J.-J. Jaeger. Evolution of the depositional systems of central Myanmar: setting apart climatic, tectonic and drainage changes. *1st colloquium of French Chinese International laboratory on Sediment transport And Landscape DYNamics*, Paris, France (poster, November 2012).
- **A. Licht**, I. Cojan, L. Caner, J.J. Jaeger & C. France-Lanord. Paleosol-landscape associations in alluvial deposits: the Late Middle Eocene Pondaung Formation, Myanmar. *International Association of Sedimentologist, 29th Meeting of Sedimentology*, Schladming, Austria (poster, September 2012)
- **A. Licht**, G. Hulot, Y. Gallet & E. Thebaud. On the relevance of alternative low degree archeomagnetic field models. *AGU 44th Fall meeting*, San Francisco, USA (poster, December 2011)

OTHER ACADEMIC ACTIVITIES

Reviewer for peer-reviewed journals: *Nature*, *Science*, *GSA Bulletin*, *Earth and Planetary Science Letters*, *Geology*, *Journal of Asian Earth Sciences*, *Geophysical Research Letters*, *Geochemistry Geophysics Geosystems*, *Palaeogeography Palaeoclimatology Palaeoecology*, *Climate of the Past*.

Reviewer for funding agencies and institutes: CNRS (France), *Société Géologique de France* (France), *DFG* (Germany).