

Kim Ellis, Director of [Earth Space Technology Pty Ltd](#) is a qualified mining and metals manufacturing research scientist, lawyer and [Adjunct Faculty](#) member for the [International Space University \(ISU\)](#). Appointed as a NASA Postdoctoral Program Reviewer by [USRA](#), Kim evaluates research on merit and provides recommendations for award of postdoctoral projects. Admitted to the Supreme Court of NSW, she is a member of the New South Wales Law Society, the American Bar Association and the International Bar Association. As an American Bar Association Forum on Air and Space Law committee member, Kim is contributing to the growth of the global Space Law profession through co-operative projects including organisation of Legal Symposiums and industry standards development initiatives.



Her career in Metals and Mineral Processing Research began in the Hunter, Australia with BHP-Billiton at the Newcastle Steelworks followed with recruitment by Rio Tinto Australia for their new Melbourne Research centre at the Latrobe University Technology Park. Returning to work for BHP-Billiton Shortland Research laboratory in New South Wales, Kim worked within the Uranium technology team for Olympic Dam Pilot Plant Process development. When her company restructured, Kim was employed by ANSTO, the Australian Nuclear Science and Technology Organisation at Lucas Heights with the minerals research team on uranium process development. Her areas of expertise include hydrometallurgy, process chemistry, process pilot plant design, development and testing, rheology, analytical chemistry and environmental chemistry.

A scholarship recipient of the International Space University, Kim completed the Space Studies program in France in 2010 and worked on an international research project published through the IAC ([Asteroid Mining Technologies Roadmap and Applications](#)). Since 2010, Kim has lectured and facilitated workshops at the International University on asteroid sampling methodology, sample return mission design, legal aspects of space operations, in-situ resource utilization, mars mission simulation, space habitat design and space treaty negotiation. In 2014, Kim served as the Department Chair for the Space Policy, Economics and Law in Montreal for the Space Studies Program and co-presented Geopolitical aspects of Military Space Applications workshop in addition to supporting French Space Agency CNES, Satellite Negotiations workshop in the USA in 2015. Kim will be co-presenting the 'Boots on Mars' workshop in Ireland for the 2017 ISU Space Studies Program along with technical staff from NASA Kennedy Space Center.

The recipient of an Australian, Endeavour Executive Award in 2012 for international project based at the NASA Kennedy Space Centre, the Florida Institute of Technology and the International Space University in Florida, United States, Kim was responsible for delivering the space studies academic program of over 450 academic activities to 130 space industry professionals over 9 weeks. In 2015, Kim was selected as a valued University of Newcastle graduate from over 50,000 candidates, received recognition with an exhibit at the Newcastle Museum and received nomination for the Alumni International Leadership award.

Characterised by media as a 'Space Lawyer, Science and Technology Expert' Kim is a long term volunteer scientist with the Australian Government, CSIRO Scientist in Schools program, and mentors university students in Newcastle and Sydney, Australia. Assisting underprivileged local high school kids to raise funding for extra-curricular scientific education, Kim speaks regularly for [charitable organisations](#), [Universities](#), [Government Departments](#) and Schools. Selected as the keynote speaker for Rotary International Women's, Day in 2016 and 2017, she is characterised as a 'Space Lawyer, Science and



Technology Expert' by the media. Her regular media appearances via television and radio communicate the benefits of space technology and applications in 'plain English' for the general public.

Contributing to industry thought leadership with academic research, publications and presentations; Kim received an invitation to present an academic paper at the [2017 International Astronautical Congress](#) and is speaking at the American Bar Association [Space Law Symposium](#). Her company provides consultancy and research services for educational institutions worldwide, specialty STEM education outreach and strategic partner services in addition to keynote presentations. One of the key services offered is specialty co-operative workshop program designed to boost and stimulate innovation exponentially within your organisation. Recently, Kim developed '[Skyrocket your Profile for Profit](#)', a series of workshops, intensives and downloadable training programs for STEM and Legal Professionals to provide resources for technical and legal businesses to leverage free media and the power of an expert profile to generate six figures in their business.

Kim believes that it's important to teach our children the value of education and the importance of having a global mentality to support a sustainable future for us all, just as her mother did for her.

'There is nothing in or beyond this world that you cannot achieve if you put your mind to it. Your mind can be your biggest ally or your worst enemy. Change your thoughts; change your world and the world around you for the better.' Kim Ellis