

Thomas Bloxham, PhD

Thomas Bloxham received his PhD in low background nuclear physics from the University of Birmingham, and has spent the last decade studying rare failures in consumer products and batteries. First as a failure analysis consultant, and then as a Staff Battery Safety engineer at Tesla where he pioneered new single and multicell safety analysis tools and techniques to create and prove battery pack safety. He has experience in cell runaway and propagating battery failure from single cells through vehicle packs to MWh energy storage systems.

He now leads battery safety at Uber Elevate, where he is working to make partner vehicles on the Elevate network safe by providing both Uber partners and the aviation industry in general with techniques to design, build, test and certify operationally safe traction battery packs.