Kionix is a large producer of MEMS inertial sensors. To date, these have mostly been a change in capacitance to detect a change in acceleration. For a new project we are investigating piezoelectric effect for sensing very small changes in acceleration. We’ve identified Aluminum Nitride (AlN) as a key material. As this is new for our team, we’d like a student to gather, review, summarize and present key aspects to consider in processing, variability, control, and reliability of this material.