**Secondary Phase Interaction at Interfaces of High-Strength Brazed Joints made using Liquid Phase Sintered Alumina Ceramics and Ag-Cu-Ti Braze Alloys**

**Tahsin Ali Kassam, Hari-Babu Nadendla, Nick Ludford, Sabrina Yan, Ashley Howkins**

Data for alumina-to-alumina brazed joints made using the Ag-Cu-Ti braze alloy TICUSIL® includes; SEM images of alumina ceramics and of joint interfaces, EDX spectrum, TEM images with corresponding X-ray maps and selected area diffraction pattern, and four-point best test measurements.

**Softwares used in this study:** Aztec SEM software, Gatan Digiscan, NSS EDS software