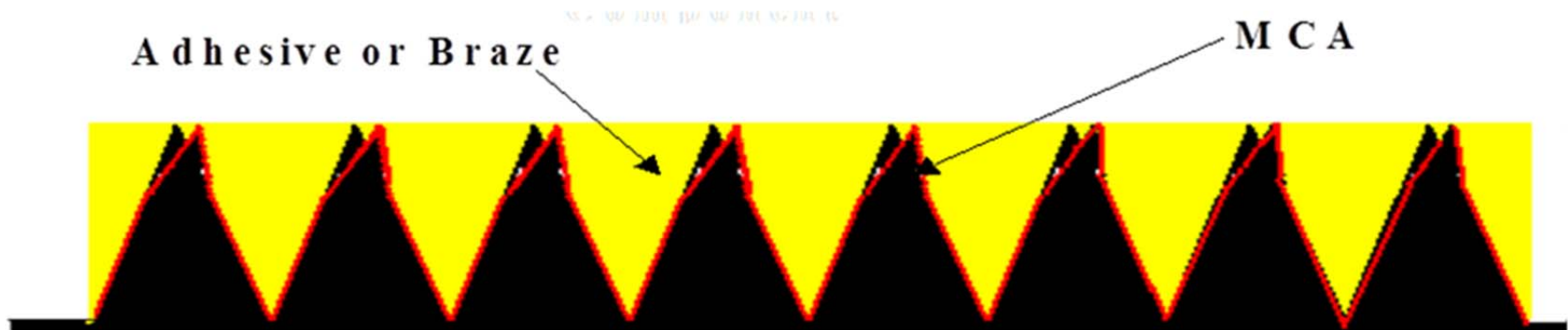


**Figure 1.** Scanning electron micrographs (SEM) of laser processed stainless steel (A), Ti (B), SiC ceramic(C) and SiN ceramic (D) showing fabricated micro-column arrays. Markers on (A), (B), (C), and (D) are 100, 10, 100, and 100  $\mu\text{m}$ , respectively.



**Figure 2.** Micro-deformation of cones under shear stress in the presence of adhesive or braze.