International CRP 2023—Category B

Automatic structural damage detection using AI vision technology Project coordinator name: Tony T.Y. Yang (The University of British Columbia) MSL Faculty: KONO Susumu

- Aims of Research -

Develop and implement autonomous bolt loosening assessment using unman aerial vehicle and 3D vision-based technology.

- Results -

Figure 1 shows the 3D point cloud generated using the developed technology. Figure 2 shows the implementation on a real-world application.







