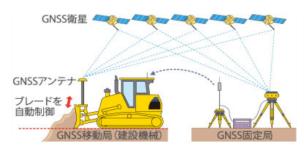
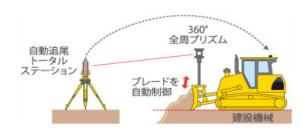


Dump Truck Position and Posture Estimation by Image Recognition and Point Cloud Registration for Automatic Loading

16C1101

 $\begin{array}{c} 10 \; [\; 2016] \\ 2010 \; . \; , \; . \; [\; 2017] \\ 2015 \; 330 \; 10 \quad 2025 \; \; 286 \\ \text{GNSSTotal Station} \; [\; 2010] \\ \text{GNSS Tostal Station} \; \; [\, b] \end{array}$





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RGB-DCAD3 [2001] [2008] [2014] CAD [Sundermeyer 2018] [Tremblay 2018] ,,CAD LIDAR3 [Zhang 2017] [Chen 2017] [Lang 2019]	
3 LIDARLIDÁR 1.1 CRGB-D3 RGB-D3	

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 $*_{zw}$

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