

Vote-based RGBD Fusion for Hand-held Object Pose Estimation

Dinh-Cuong Hoang^{a,*}, Phan Xuan Tan^b, Anh-Nhat Nguyen^c, Duc-Long Pham^c, Van-Duc Vu^c, Van-Thiep Nguyen^c, Thu-Uyen Nguyen^c, Duc-Thanh Tran^c, Khanh-Toan Phan^c, Xuan-Tung Dinh^c, Van-Hiep Duong^c, Ngoc-Trung Ho^c, Hai-Nam Pham^a, Viet-Anh Trinh^a and Son-Anh Bui^a

^aGreenwich Vietnam, FPT University, Hanoi, 10000, Vietnam

^bCollege of Engineering, Shibaura Institute of Technology, Tokyo, 135-8548, Japan

^cICT Department, FPT University, Hanoi, 10000, Vietnam

ARTICLE INFO

ABSTRACT


Keywords:

Object pose estimation

Object recognition

Multimodal Fusion

*Corresponding author

 cuonghd12@fpt.edu.vn (D. Hoang); tanpx@shibaura-it.ac.jp (P.X. Tan); nhatsna3@fpt.edu.vn (A. Nguyen); longpdhe171105@fpt.edu.vn (D. Pham); ducvvh176438@fpt.edu.vn (V. Vu); thiepnvhe173027@fpt.edu.vn (V. Nguyen); uyennthe176614@fpt.edu.vn (T. Nguyen); thanhtdhe176812@fpt.edu.vn (D. Tran); toanpkhe170983@fpt.edu.vn (K. Phan); tungdxhe172611@fpt.edu.vn (X. Dinh); hiepdvhe181185@fpt.edu.vn (V. Duong); trungnhhe172033@fpt.edu.vn (N. Ho); namphgch220279@fpt.edu.vn (H. Pham); anhtvgch220661@fpt.edu.vn (V. Trinh); anhbsgch220491@fpt.edu.vn (S. Bui)
ORCID(s): 0000-0001-6058-2426 (D. Hoang)