



DRUM

Gemstone DRUM Distribution License

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM"), and to reproduce, translate and distribute the material world-wide in any format and in any medium provided the University does not alter the content of the material. I also agree that the University of Maryland may make and retain more than one copy of the material submitted as it deems necessary for purposes of security, preservation and back up.

I understand that if I wish to publish the material with a third party that requires exclusive publication rights, I may direct the University to remove the material from DRUM. In such an event, I understand that the bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" where it is no longer publicly available.

I represent that I am the sole or joint owner of copyright in the material and to the extent that I do not hold copyright in all or part of the material that I have the written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I have respected any right of review or other obligations the sponsor required, including an obligation to acknowledge its support in connection with any publication of the material.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland.

Electronic Distribution Information

Please check only one:

- ☒ We authorize immediate access to the electronic full text of our work through DRUM
- ☐ We request that the University of Maryland embargo (restrict) access to the electronic full text of our thesis through DRUM for:
- ☐ One (1) year ☐ Three (3) years

Gemstone Team: SCOPE


Title: Integration of object recognition and natural language interaction for assistive robotics with medical applications

Date: April 21, 2017

Team Members: John Bachkosky, Alexandra Boukhvalova, Kevin Chou, William Gunnarsson, James Ledwell, Brendan McTaggart, Xiaoqing Qian, Nicholas Rodgers, John Shi, Jason Yon

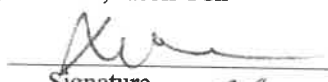

Signature


Signature


Signature

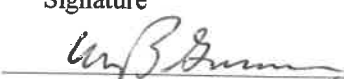

Signature


Signature


Signature


Signature


Signature


Signature


Signature