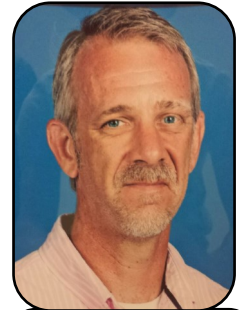


# MSOE ROV

*Milwaukee School of Engineering, Milwaukee, Wisconsin  
Fourth Year Explorer Team, third international competition  
1888 km to Houston, Texas*



*Dr. Matt Schaefer  
Faculty Advisor  
Assistant Professor*



*Seth Opgenorth\*  
Senior, CEO  
Computer Engineer*



*Bobby Getka  
Sophomore  
Software Engineer*



*Jason Julius  
Sophomore  
Mechanical Engineer*



*Ethan Brew  
Sophomore  
Mechanical Engineer*



*Nathan Matecki\*  
Junior  
Mechanical Engineer*

## ROV At a Glance

*Approximate Cost:* \$12,629

*Primary Materials:* Polycarbonate, ABS and aluminum

*Approximate Dimensions:* 35cmx45cmx30cm

*Approximate Weight in Air:* 16.5kg

*Safety Features:* Current limiting speed controllers, warning stickers, automatic motor shut off after loss in communication software kill switch, guards on all moving parts, fuses in place on the high side

*Special Features:* stereoscopic camera view, custom Kort nozzles, ability to do a barrel roll, high sensitivity depth sensor for control loops, 3D printed frame, multi-purpose 3D printed gripper

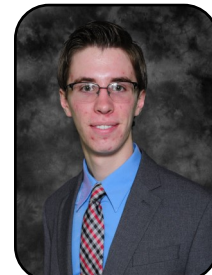
*Facebook Page:* <https://www.facebook.com/UnderwaterRobotics/>



*Woodrow Walker\*  
Sophomore, Pilot  
Electrical Engineer*



*Robert Gillig\*  
Sophomore  
Electrical Engineer*



*Brian Prestley  
Sophomore  
Electrical Engineer*



*Allison Ahern\*  
Sophomore  
Electrical Engineer*