

### **Session 3.8: Technologies for Vision-Based Robot Control**

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| On-Board DSP Technologies applied to Robotics Applications<br><i>Jameux, D.; ESA/ESTEC, The Netherlands</i>                                                                                                       | 3.8-1 |
| SVMS Stereo Vision Measuring System: A Computer Vision System for<br>Robotics Space Applications<br><i>Maddalena, D.*; Leone, R.**; Losito, S.**; Zampato, M.*;</i><br><i>*Tecnomare SpA, Italy, **ASI, Italy</i> | 3.8-2 |
| Robust Stereo Matching for Visual Environment Reconstruction<br><i>Maciel, J.L.; Costeira, J.P.; Instituto de Sistemas e Robotica, Portugal</i>                                                                   | 3.8-3 |
| Recovering 3D Structure from Images and Inertial Sensors<br><i>Lobo, J.; Diaz, J.; University of Coimbra, Portugal</i>                                                                                            | 3.8-4 |