

### Session 3.1: A&R System Technologies

- TAR: A Twin Arm Robot for Dexterous Assembly and Maintenance Tasks on ISS 3.1-1  
*Heemskerk, C.; Visser, M.; Fokker Space BV, The Netherlands*
- Robotic Arm Co-operation for Assembling a Reticular Structure 3.1-2  
*de Bartolomei, M.\*; Grassini, F.\*; Losito, S.\*\*; \*Tecnospazio SpA, Italy; \*\*ASI, Italy*
- Robonauts need Light-Weight Arms and Articulated Hands 3.1-3  
*Hirzinger, G.; Butterfass, J.; Grebenstein, M.; Hahnle, M.; Schafer, I.; Sporer, N.; DLR, Germany*
- Using Microtechnologies to Build Micro-Robot Systems 3.1-4  
*Hill, W.\*; Mausli, P.-A.\*\*; Estier, T.\*\*\*; Huber, R.\*\*\*\*; van Winnendael, M.\*\*\*\*\*,  
\*Astrium Space Infrastructure, Germany; \*\*Mecanex, Switzerland \*\*\*EPFL, Switzerland;  
\*\*\*\*IMM, Germany; \*\*\*\*\*ESA/ESTEC, The Netherlands*