AXO-SUI: Assistive exoskeleton suitable for elderly persons

AXO-SUIT Dissemination report

Workpackage WP5: Commercialisation

Task D5.4: Scientific dissemination

Deliverable D5.5 Report on dissemination activities

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Date report produced: 30/01/2017

Classification: Restricted to AXO-SUIT consortium

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Ambient Assisted Living Joint Programme: National Funding Agencies for EXO-LEGS

Ambient Assisted Living Joint Programme

AXO-SUIT: Assistive exoskeleton suitable for elderly persons

Task XX: Public and scientific dissemination

Task Co-ordinator: Hjälpmedelsteknik Sverige AB
Task Members: Aalborg University
University of Limerick
COMmeto bvba
Hjälpmedelsteknik Sverige
Welldana, Denmark

AXO-SUIT Partnership:

Participant no.*	Participant organisation name	Participant short name	Organisation type	Country
1 (Coordinator)	Aalborg University	AAU	Univ, End user	Denmark
2	University of Gävle	UGAV	Univ, End user	Sweden
3	University of Limerick	UoL	Univ, End user	Ireland
4	Welldana A/S	WELL	End user, IND	Denmark
5	Bioservo Technologies AB	BIOT	IND, business	Sweden
6	MTD Precision Engineering Ltd	MTD	IND, business	Ireland
7	Hjälpmedelsteknik Sverige	HJALP	End user	Sweden
8	COMmeto bvba	COM	IND, Business	Belgium

The AXO-SUIT project has in total 10 publications, five journal articles and five conference papers, in 2016 by three research organizations.

The papers are listed below.

AXO-SUIT SCIENTIFIC PUBLICATIONS				
Organization	**Journal or conference**	**Publication Date**	**References**	**Note**
UoL, Ireland	conference	2016	De Kruif, B.J., Schmidhauser, E., STadler, K. and O'Sullivan, L.W., 2016 , PETRA 2016, International conference on Pervasive Technologies Related to Assistive Environments, Interaction modelling for wearable assistive devices, doi 10.1145/2910674.2935837 .	
AAU, Denmark	Conference	18-21/10, 2016	S. Christensen, S. Bai, A Novel Shoulder Mechanism with a Double Parallelogram Linkage for Upper-Body Exoskeletons, Proc. The International Symposium on Wearable Robotics (WeRob2016), 18-21 October, 2016. La Granja, Segovia, Spain, pp, 51-56.	
UGAV, Sweden	Conference	2016	U. Haider, I. Nyoman, C. Kim, N. Masud, G. S. Virk, and J. L. Coronado, "ModularExo-Legs for Mobility of Elderly Persons," The 19th International Conference on Climbingand Walking Robots, pp. 851-859, 2016.	
UGAV, Sweden	Journal	2016	U. Haider, I. Nyoman, C. Kim and G. S. Virk, "User Centric Harmonised Control for Single Joint Assistive Exoskeletons," International Journal of Advanced Robotic Systems, 13:115, pp. 1-9, 2016.	
UGAV, Sweden	journal	2016	Ashish Singla, Baltej Singh Rupal and Gurvinder Singh Virk, "Optimization of stepped-cone CVT for Lower-Limb Exoskeletons", Elsevier: Perspectives in Science, Vol. 7, 2016	In press
UGAV, Sweden	Journal	2016	Ashish Singla, Gurminder Singh and Gurvinder Singh Virk, "Matlab/SimMechanics Based Control of Four-Bar Passive Lower-Body Mechanism for Rehabilitation", Elsevier: Perspectives in Science, Vol. 7, 2016, DOI - 10.1016/j.pisc.2016.04.072	In press
UGAV, Sweden	Journal	2016	Baltej Singh Rupal, Ashish Singla and Gurvinder Singh Virk, "Lower Limb Exoskeletons: A Brief Review", International Journal for Scientific Research and Development, pp. 18-24, Vol- COMET-2016, 2016.	
UGAV, Sweden	Journal	2016	Ashish Singla, Saurav Dhand and Gurvinder Singh Virk, "Mathematical Modeling of a Hand Crank	In press

			Generator for Powering Lower-Limb Exoskeletons", Elsevier: Perspectives in Science, Vol. 7, 2016,	
UGAV, Sweden	conference	15-17 January 2016	Saurav Dhand, Ashish Singla, and Gurvinder Singh Virk, "A Brief Review on Human-Powered Lower-Limb Exoskeletons", Conference on Mechanical Engineering and Technology (COMET-2016), IIT (BHU), Varanasi, Jan 15-17, 2016, IIT (BHU), Varanasi, India, pp. 117-123, 2016.	
UGAV, Sweden	conference	15-17 January 2016	Gurminder Singh, Ashish Singla, and Gurvinder Singh Virk, "Modeling and Simulation of a Passive Lower-body Mechanism for Rehabilitation", Conference on Mechanical Engineering and Technology (COMET-2016), IIT (BHU), Varanasi, Jan 15-17, 2016, IIT (BHU), Varanasi, India, pp. 124-129, 2016.	