



## CybSPEED

### Cyber Physical Systems for PEdagogical Rehabilitation in Special EDucation

H2020-MSCA-RISE-2017, GMN 777720

Start Date 01 Dec 2017, Duration 48 months

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## REPORT

### 3-rd CybSPEED Training Course on Technologies for sensation, motor, movement restoring, Wed. 5 June – Fri. 7 June 2019, Grenoble, France

The event held at G-SCOP, Sciences for Design, Optimisation and Production, Laboratory of Grenoble, UMR CNRS 5272, Building C, *Doyen GOSSE* amphitheatre.

It was attended by 27 participants from UH2C, PRAXIS, EMaTTech, IR-BAS, UPV/EHU, CHUGA and UGA.

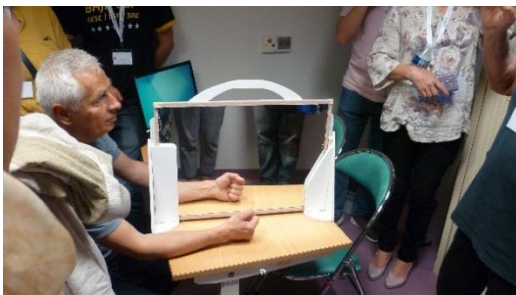
#### First day (05.06.2019):

After the Opening of the training by Dr. Peter MITROUCHEV (G-SCOP, UGA), prof. François VILLENEUVE, G-SCOP Director did his welcome speech by presenting the University Grenoble Alpes and the research activities of G-SCOP Laboratory.

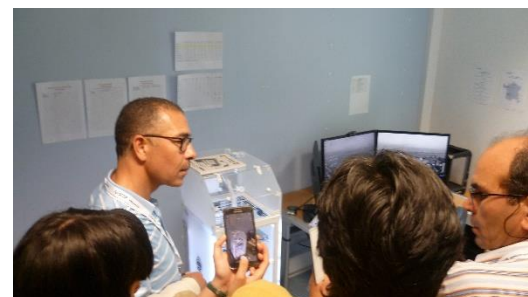
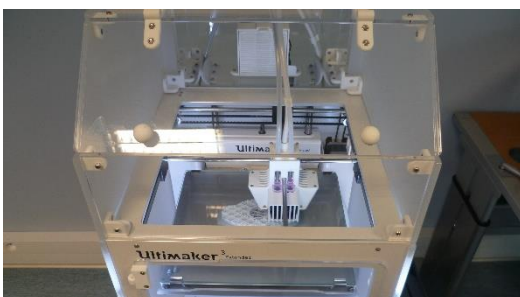


The morning session continued by Demonstrations and two Trainings in Virtual Reality Platform, G-SCOP, Room H403 animated by Dr. Andreas Pusch (G-SCOP, UGA).

In the afternoon session prof. MOUTET from CHUGA was the guide during the visit and the training at *Centre Roche Plane* in Saint-Martin d'Hères.



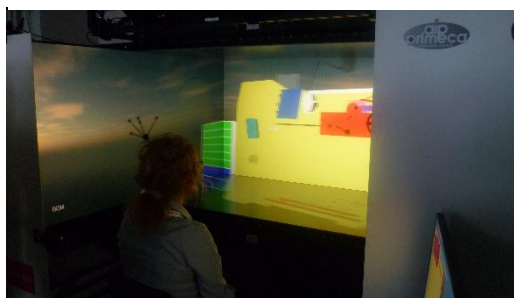
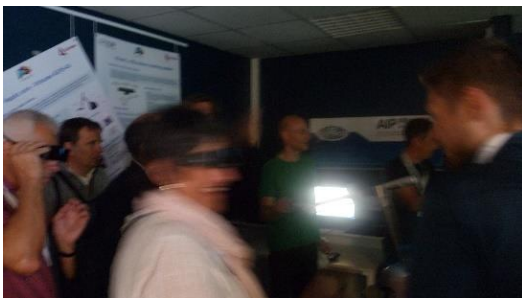
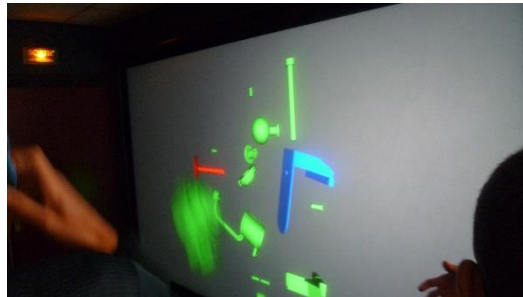
The other visit was at *Clinic of Grésivaudan*, Aftercare and Rehabilitation – SSR Center, animated by Dr. François-Paul LESAGE.





**Second day (06.06.2019):**

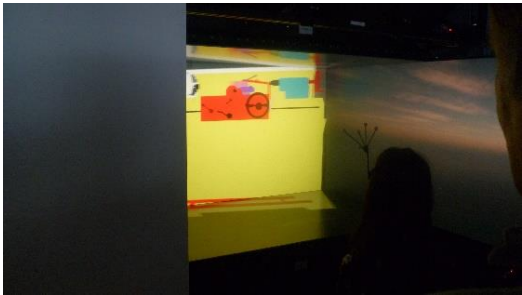
The morning session of the second day started by the Demonstration and the Trainings in Virtual Reality Platform, G-SCOP Laboratory, performed and animated by Patrick MAIGROT.



In the second part of this morning session followed the presentations of prof. Pierre PORTERO from University Paris – Est Créteil: *Title: Advancing musculoskeletal rehabilitation using conventional and new techniques*; and Dr. Franck QUAINÉ (GIPSA-Lab) *Title: Optimistic mirror therapy for hand gesture rehabilitation*.



The afternoon session consisted of visit, Demonstrations and two Trainings –on Virtual Reality Platform, G-SCOP Laboratory animated by Sébansien Martin.



**Third day (07.06.2019):**

The latest day of the training started by the presentation of Dr. Olivier MARTIN (GIPSA-Lab, UGA), *Title: Visual virtual immersive therapy for restoration of balance control in vestibular patient.*



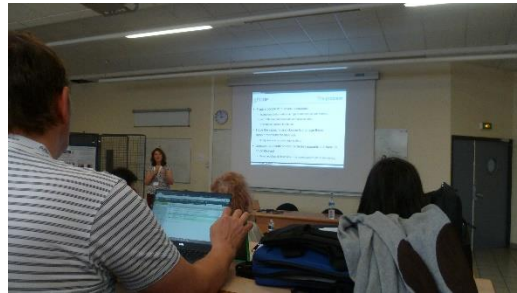
followed by the Visit demonstrations and Trainings in MEXICO (Moyens EXpérimentaux pour l'Ingénierie Collaborative) Collaborative Platform G-SCOP animated by prof. Jean-François BOUJUT et Henri BOTTIER (Grenoble INP).



The afternoon session started by the presentation of Dr. Maria DI MASCOLO (Research Director in CNRS) *Title: Planning of cares and services for frail persons: tools for a*



*patient centered approach.*



The afternoon session continued by the Trainings in MEXICO Collaborative Platform G-SCOP, UGA, Grenoble-INP, animated by Henri BOTTIER.



Finally the training ended with the Closing meeting and discussions about future joint work in the frame of the next WP and Tasks.

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***Acknowledgement:***

*Many thanks to Marie-Jo PERROUET, Jun WANG, Kevin BARRA, Olivier SZYDLO, Paul NOTTEAU, Victor EMANOEL and Henri BOTTIER for their implication in the organization and the logistic of the event.*

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MITROUCHEV Peter  
Grenoble  
June, 2019