

WEARPLEX Beta Workshop: **FES** applications



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Inspiring Business



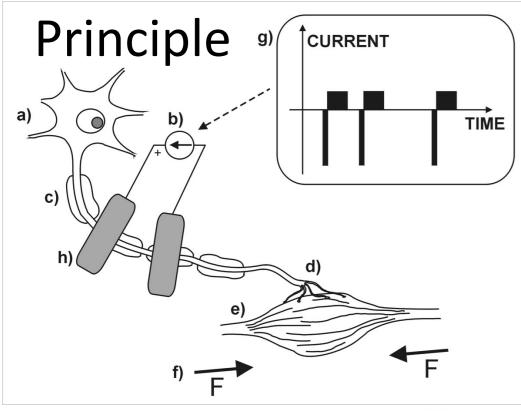


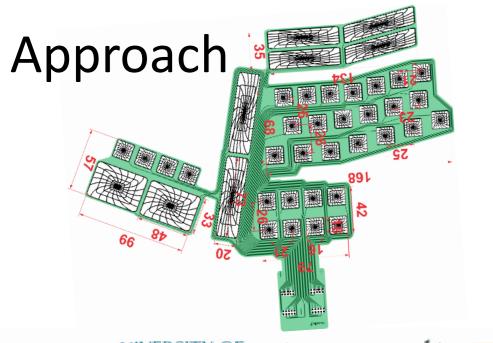
CHEMNITZ

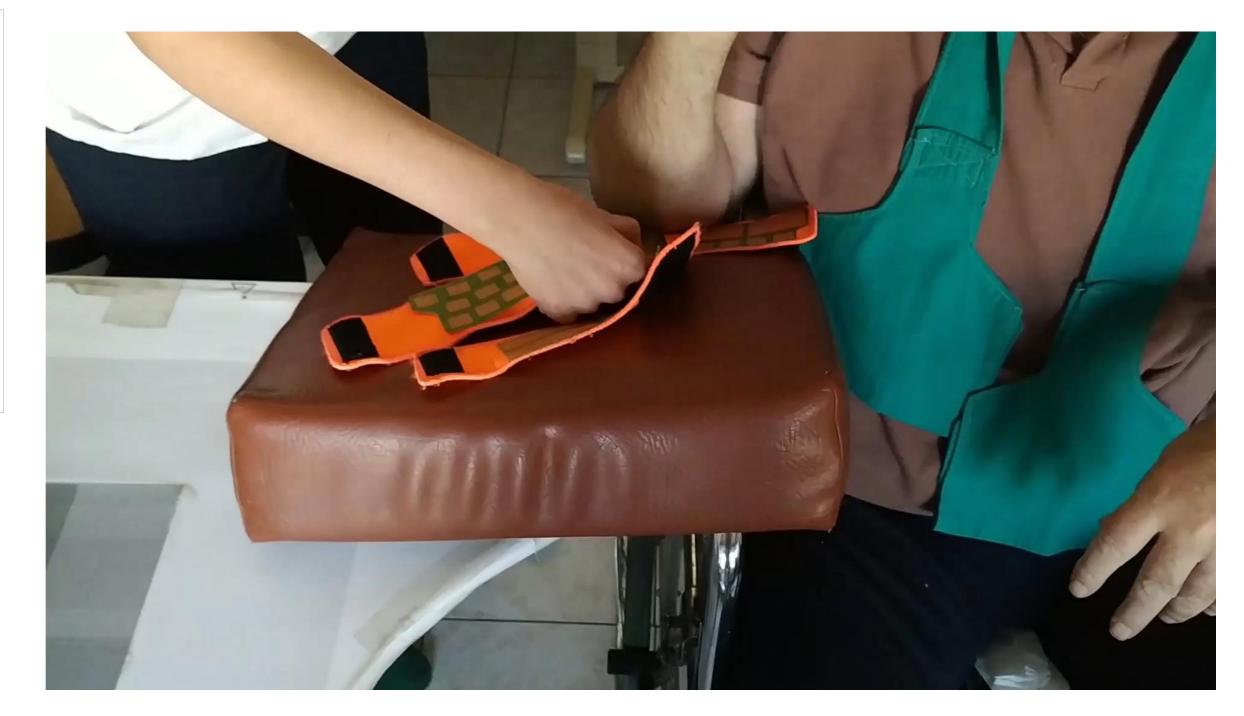
24th March 2021



Principle of FES and multi-pad systems







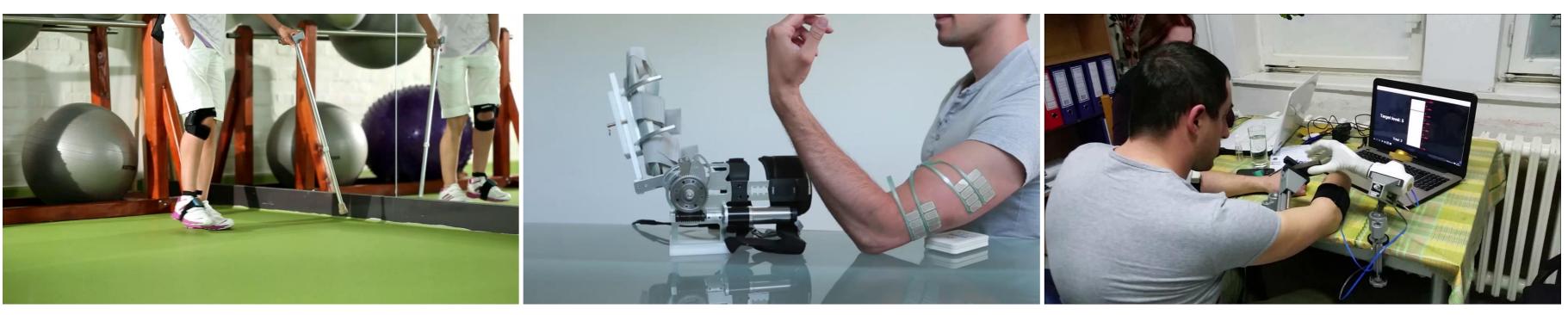


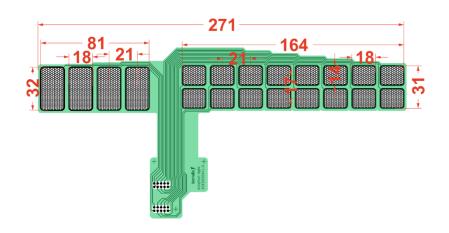


Other examples of multi-pad FES

Dropfoot

TENS

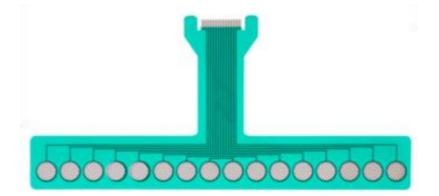






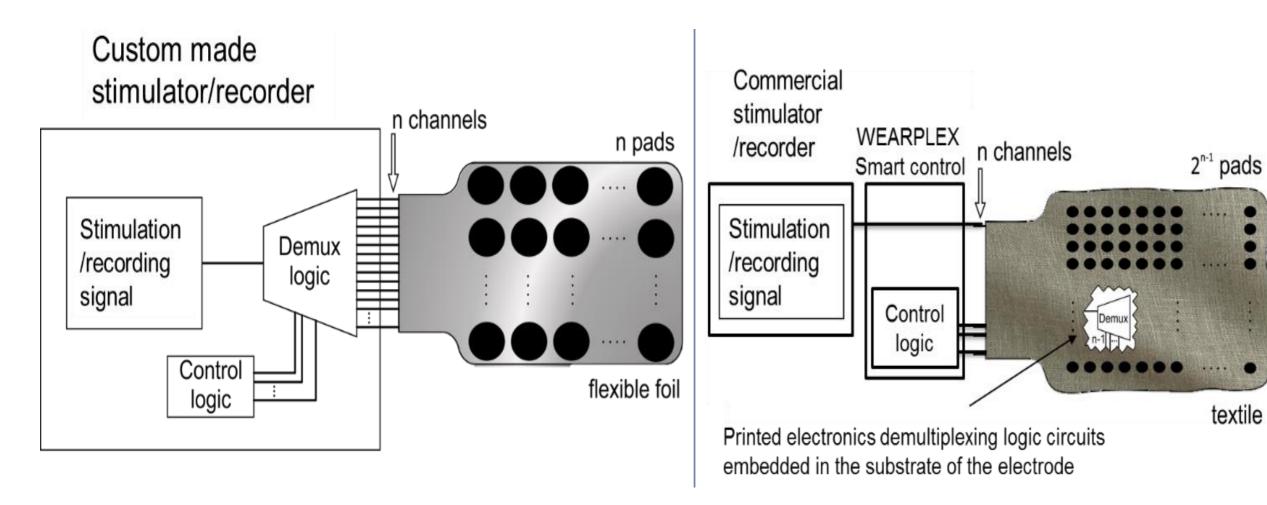
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Electrotactile feedback





WEARPLEX "SMART" Electrodes



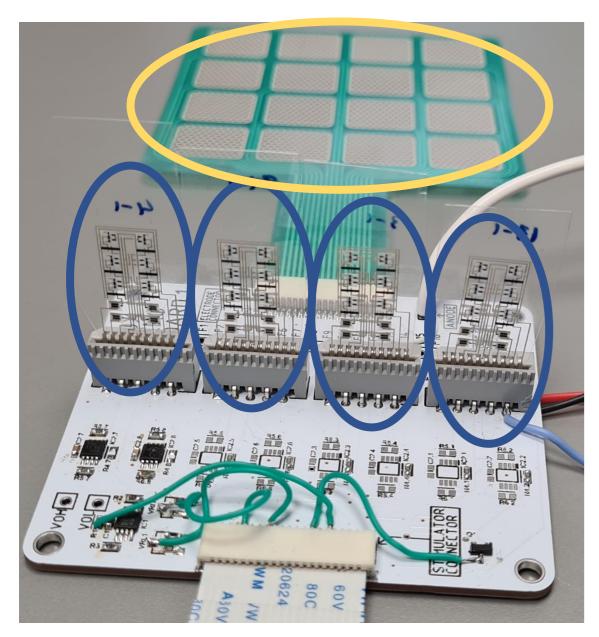
Overcoming the limitations related to high number of leads Printed logics is based on the same technology as the state of the art for production of multi-pad electrodes







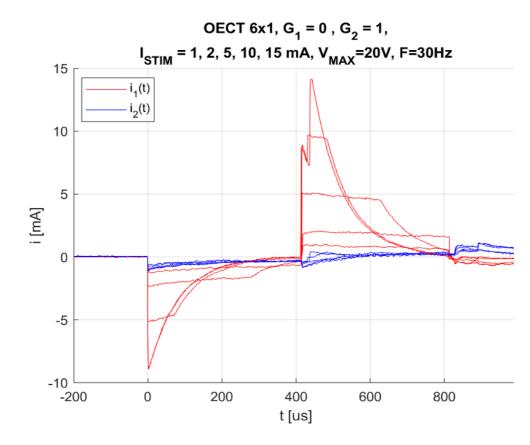




4 x OECT 2-4 DEMUX 16-pad stimulation electrode

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application





Challenge is in high output currents and high voltages that are needed for FES

