**WEARPLEX Special Session**

WEARPLEX: WEARable multiPLEXed biomedical electrodes

European Commission funded multidisciplinary Research and Innovation Action

Monday 23rd September, 13:30-15:30, Vienna

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| **No** | **Presentation Title** | **Authors** |
| 1 | Introduction of EU-H2020 project WEARPLEX - Wearable multiplexed biomedical electrodes | Milos Kostic, Russel Torah, Steve Beeby, Matija Strbac, Thierry Keller, Senentxu Lanceros-Mendez, Peter Andersson Ersman, Maxim Polomoshnov, Strahinja Dosen, Rune Wendelbo, Séverine Chardonnens, Antti Tauriainen |
| 2 | Printed electrode structures for bio-potential monitoring in wearable e-textile garments | Russel Torah, Abiodun Komolafe, Kai Yang, John Tudor, Gordon Paul, Steve Beeby |
| 3 | CLASS: platform for stimulation and recording via wearable multiplexed electrodes | Erik Hernandez Jimenez, Iñigo Dorronsoro Esnal, Eukene Imatz Ojanguren, Husein Gonzalez Gomiz, Thierry Keller |
| 4 | Custom design of multi-electrode arrays for stimulation and recording applications | Matija Strbac, Vladimir Kojic, Milos Kostic, Jovana Malesevic, Goran Bijelic |
| 5 | Screen printed organic electrochemical transistors for recording and stimulation applications | Peter Andersson Ersman, Roman Lassnig, Jan Strandberg, Yusuf Mulla |
| 6 | Muscle patterns in high-density EMG recorded during grasping in different arm positions | Luis Pelaez Murciego, Stine Bjerringgaard Rasmussen, Strahinja Dosen, and Erika G. Spaich |
| 7 | Development of new functional inks for bio-monitoring applications | Nikola Perinka, Cristian Mendes Felipe, Carmen Rial Tubio, Senentxu Lanceros-Méndez |
| 8 | Integration of flexible circuits in textiles for wearable health monitoring | Abiodun Komolafe, Russel Torah, Helga Nunes-Matos, Menglong Li, Olivia Ojuroye, John Tudor, Steve Beeby |
| 9 | Experiences in scale-up manufacturing of printed medical devices | Jenni Isotalo, Roelof Aalpoel, Antti Tauriainen  |
| 10 | Integration of WEARPLEX technology and development of alpha prototypes of WEARPLEX electrodes | Russel Torah, Steve Beeby, Milos Kostic, Matija Strbac, Thierry Keller, Senentxu Lanceros-Mendez, Peter Andersson Ersman, Maxim Polomoshnov, Strahinja Dosen, Rune Wendelbo, Séverine Chardonnens, Antti Tauriainen |