**Challenges in Ion-Selective Electrodes Printing on Skin-Compatible Films**

**Printed Electronics Innovation Festival ‘23**

**Speaker:**   
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We'll be talking about the main challenges in printing sensors for smart patches based on our ongoing research at [CEZAMAT](https://www.linkedin.com/company/cezamat/) together with [Talkin'​ Things](https://www.linkedin.com/company/talkin-things/) and Collegium Medicum of [UKSW](https://www.linkedin.com/company/uksw/).   
  
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**Abstract:**

The increasing demand for the smart skin patches’ implementation has led to a significant focus on sweat analysis in research and development. While there are plenty of proof-of-concept experiments conducted in laboratories, actual measurements on skin-compatible substrates are still scarce and irreproducible. This is not without a reason. In this presentation, we will present several technological approaches for fabricating sweat analysis devices on such materials, accompanied by a concise discussion of why they may be effective in theory but face challenges in practical implementation.