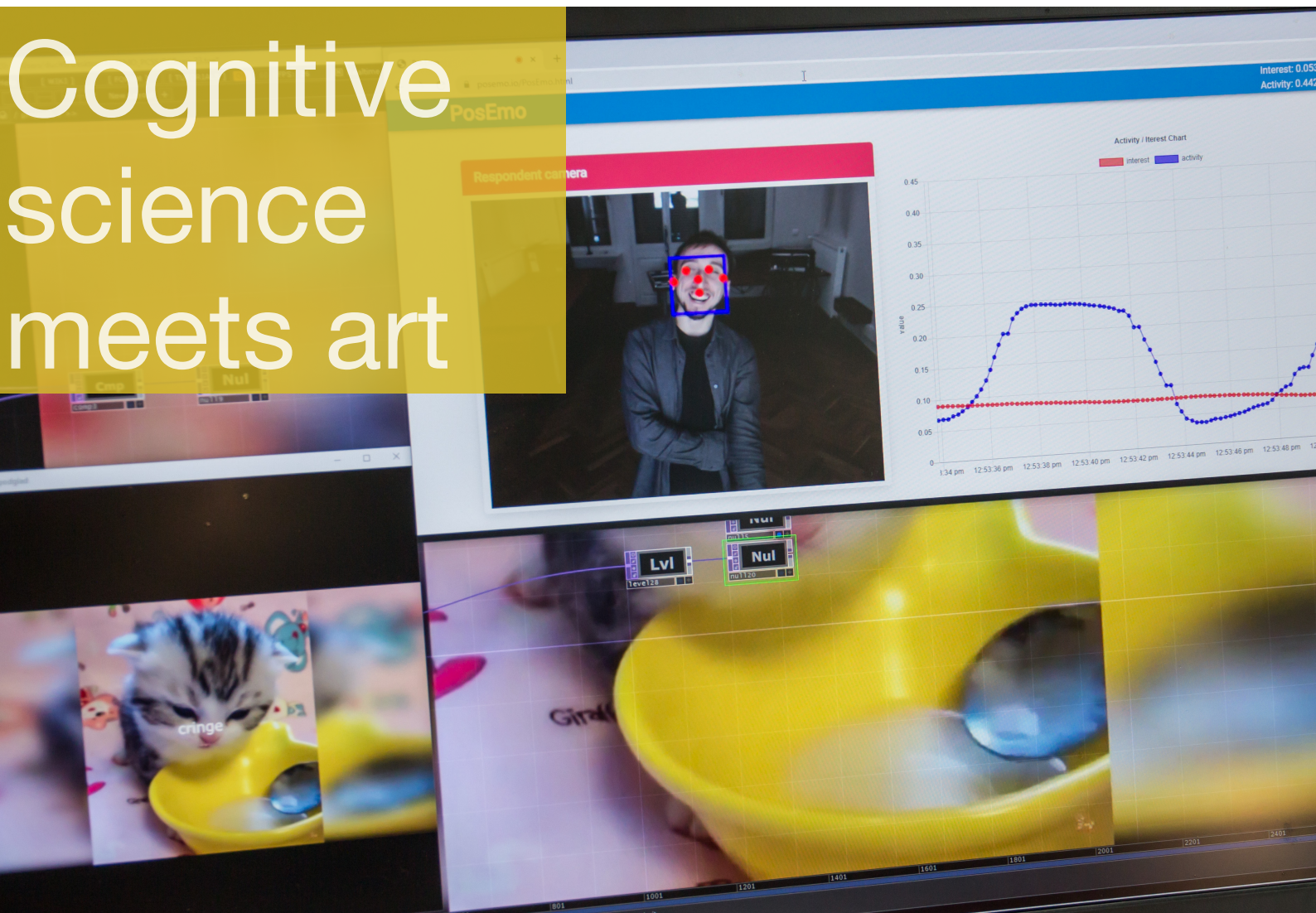


Cognitive science meets art



contact:

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[Poznan Supercomputing and Networking Center](#)



FUTURE
LABS

Psychosensing
Laboratory

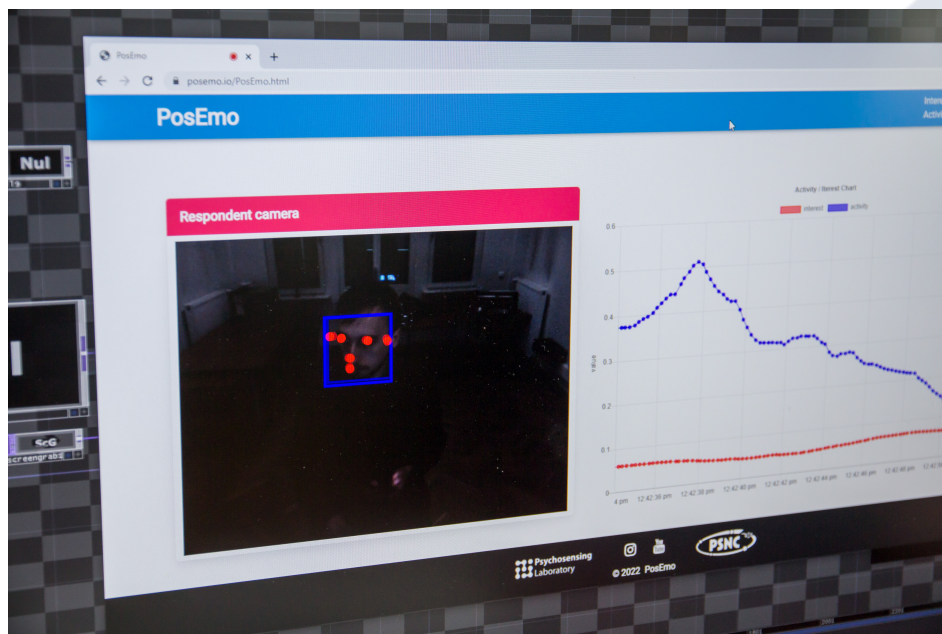
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Our Idea

At Poznan Supercomputing and Networking Center the two laboratories are working together to combine cognitive science and art. Based on the scientific experience of Psychosensing Lab in the area of human behavioral and cognitive science, with the bio feedback sensors, together we develop tools for new artistic possibilities. Our interest is mostly oriented on creating an interdisciplinary artistic environment based on sensors such as: EEG, GSR, eye-tracking, and body/head movement analysis.

Current Works

Based on dr M. Behnke's research (Adam Mickiewicz University in Poznań, Poland) in the areas of E-Sport psychology and emotions, PSNC's Psychosensing Lab has created and is developing the **PosEmo** — application for measuring emotional response of people perceiving audiovisual stimuli. Team of artists and scientists works together in Art&Science Lab for artistic utilization of the system. Jointly, we have created a universal API for PosEmo, so that its algorithms can be used in creative programs such as MaxMSP or Touch Designer. Our installations has already been tested and iteratively tuned on users and art recipients. We are ready for more!



Our Plans

Our main goal is to expand with our experiments and works with artistic and scientific environment around the world. We are open for creating artistic residency programs, workshops and open labs. We are also strongly interested in creating new artistic tools based on bio feedback data sensors and further integration of our technology with softwares, including: Max/MSP, Touch Designer, Ableton etc. We are looking for partners that will share our creative vision and passion to technology.

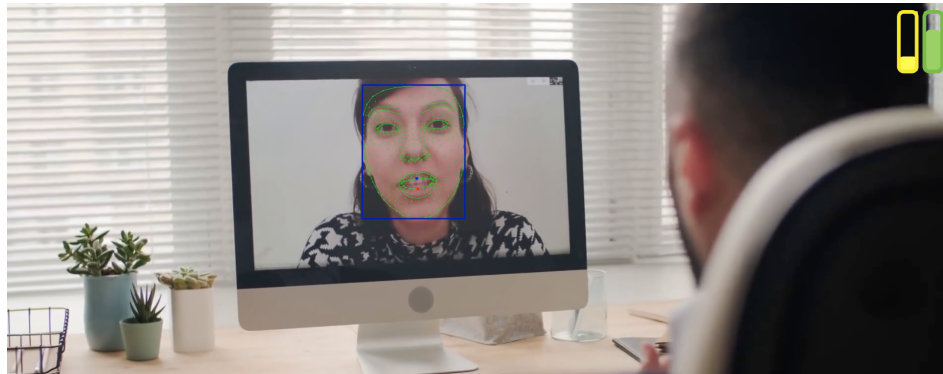
Psychosensing Lab

Shared passion for creating useful technology based on scientifically valid outcomes resulted in establishing Psychosensing Lab in August 2020. Our goal is to bring the best of technology to the better tomorrow of humanity. PSLab is equipped with top-notch psychophysiology devices, such as eye-trackers, EEG, GSR/EDA, and wearable bands. We use video processing algorithms and artificial intelligence to explore the data behind human cognition.

Team:

Mikołaj Buchwald, PhD: Cognitive neuroscientist and information technology enthusiast.

Szymon Kupiński: ICT project manager and innovative service designer.



Art and Science Lab

Due to many previous collaborations with artistic communities in 2020, PSNC established Art and Science Laboratory. The environment is located on 2nd floor in the historic building at Zwierzyńska street (Poznan, Poland) at PSNC Future Labs. This art and science lab is individual and fully equipped area for various artistic collaborations.

Team:

Jan Skorupa: Sound artist and composer. Interested in generative art.

Paweł Sołoducha: Visual Artist. Interested in 3D and processing art.



Poznan Supercomputing and Networking Center

Leading R&D facility in Poland, affiliated to the Polish Academy of Sciences. PSNC has been participating in numerous Polish and European projects for over 25 years of its existence.