

BR41N.IO Brain-Computer Interface (BCI) Hackathon @ SMC 2026

We are pleased to invite you to participate in the BR41N.IO Brain-Computer Interface (BCI) Hackathon, organized by the IEEE SMC 2026 Brain-Machine Interface (BMI) Workshop in collaboration with g.tec medical engineering. The hackathon will take place October 4-5, 2026, in conjunction with the IEEE International Conference on Systems, Man, and Cybernetics (SMC 2026) in Bellevue, Washington, USA.

Hackathon participation is free of charge and does not require registration for the IEEE SMC conference. Participants may join either in person in Bellevue or virtually from anywhere in the world.

The BR41N.IO Hackathon is an international, hands-on event that brings together participants from diverse backgrounds to collaborate, learn, and develop innovative brain-computer interface applications. Whether you're an experienced researcher, a student exploring BCI for the first time, or simply curious about the field, the hackathon offers a unique opportunity to learn, innovate, and connect with the international BCI community.

The hackathon welcomes participants at all educational and career stages, including high school and university students, researchers, industry professionals, and hobbyists. Participants with interests in brain-computer interfaces, AI and machine learning, signal processing, robotics, AR/VR, neuroscience, biomedical engineering, human-computer interaction, software development, and related fields are encouraged to participate. No prior experience with brain-computer interfaces is required.

Don't have a team? No problem! Individual participants are welcome to register and will be matched with a team.

Participants can choose from projects in gaming, programming, artistic applications, and offline EEG data analysis, or propose their own project ideas. Depending on the project, participants may work with compatible BCI hardware or offline EEG datasets.

Participants will have the opportunity to:

- Collaborate with interdisciplinary teams from around the world.
- Design and build innovative BCI applications using state-of-the-art technologies.
- Learn from experienced mentors.
- Compete for cash prizes of up to USD \$1,000 in multiple project categories.

Please feel free to share this announcement with your colleagues, students, research groups, laboratories, professional networks, and others who may be interested.

Complete information on project categories, participation requirements, registration, hardware, prizes, and timelines is available on the official BR41N.IO Hackathon website:

BR41N.IO Hackathon: <https://www.gtec.at/hackathon/ieee-smc-2026/>

Additional information about the IEEE SMC 2026 Brain-Machine Interface (BMI) Workshop is available at:

BMI Workshop: <https://www.ieeesmc.org/bmi/>

We hope you will join us for this exciting event and help advance the next generation of brain-computer interface research and innovation.

We look forward to welcoming you to Bellevue – or online!

Sarah Power and Ivan Volosyak
General Co-Chairs
IEEE SMC 2026 Brain-Machine Interface Workshop