Vector representation [Meng et al., 2023, Georgiadis et al., 2018]
- CSP-like when followed by linear classification [Reuderink et al., 2011]
- Frequently hard to extract features [Xu et al., 2020]
- Easy integration with deep learning [Zoumpourlis & Patras, 2022]

Graph measures [Gu et al., 2023]
- Intuitive representation [Rodrigues et al., 2022]
- Oversimplified the cognitives process [Gonzalez-Astudillo et al., 2020]

Riemannian geometry [Ding et al., 2023]
- Take into account $\mathbf{C}$ iner-links [Liu et al., 2024]
- Hard to find best $\mathbf{C}_{ref}$ [Miah et al., 2020]

Topological representation [Altaheri et al., 2023, Collazos-Huertas et al., 2021]
- Potentially loss information [Altaheri et al., 2023]
- Performance relies on sufficient channels [Zhao et al., 2019a]
- Seamless integration with convolutional neural networks [Xu et al., 2020b]