

**Jan Budroweit** received his M.Eng. (2013) in Information and Communication Systems at the Hamburg University of Applied Science (HAW), Germany. In 2021, he defended his PhD (Dr.-Ing) at the Technical University of Hamburg (TUHH) in the field of radiation-tolerant communication system design and development. In 2013, he joined the German Aerospace Center (DLR), where he has been working as an expert for satellite communications. He was the responsible communication engineer for the DLR satellite mission Eu:CROPIS which has been successfully launched in 2018. Besides his engineering activities at DLR space missions, his ongoing research areas involve the development of an integrated multiband communication platform for spacecraft. Research topics are the prediction, characterization and mitigation of radiation effects in electronic components and systems (specifically in radio systems and RF devices). Since 2020, Jan Budroweit is the founder and team leader for radiation effects in space systems supporting the ongoing space missions of the DLR.