

Dr. Patrick P. Neumann (m)

is a senior scientist at BAM in division 8.1 "Sensors, Measurement and Testing Methods" since 2008. He holds a diploma (Dipl.-Inf.) in Computer Science from Freie Universität Berlin and earned his Ph.D. in 2013 in mobile/aerial robot olfaction, focusing on gas source localization and gas distribution mapping using a micro-drone. Dr. Neumann has initiated and led multiple third-party-funded projects and maintains an extensive publication record: 202 entries in BAM-Publica, 51 refereed publications, 533 citations (Web of Science), and an h-index of 9. His contributions to chemical sensing robotics have been recognized with the Wolfgang Göpel Memorial Award (ISOEN 2022) and Best Paper Award (ISOEN 2024). He has been an active member of the International Society for Olfaction and Chemical Sensing (ISOCS) since 2012, and is currently serving on its Industrial Board Committee. Furthermore, he coordinates all BAM research activities related to UAS, serves on two DIN standards committees in this field, and oversees all UAS missions at BAM TTS, as well as activities at the scenario-based test center for UAS (BAM TUAS).