

“Where innovation meets structure - that’s where my work begins.”

“Through leadership and support, I empower my team to reach their full potential.”

“I align the smallest details with the largest vision.”



PROFESSIONAL EXPERIENCES

since 01/2025	SENIOR RESEARCH ASSOCIATE Institute for Hearing Technology and Acoustics, RWTH Aachen University, Germany Research management & advisory <ul style="list-style-type: none">Contributing to the development of research design, data collection and management methods.
02/2021 - 12/2023	CHIEF ENGINEER Institute for Hearing Technology and Acoustics, RWTH Aachen University, Germany Organizational and research process management <ul style="list-style-type: none">Improved and streamlined workflows for (clinical) study protocols, ethics, and data protection regulation increasing productivity conducting experimental research.Directed the yearly resource management for teaching and research activities in collaboration with the head of the institute, leading to minimized and equally distributed workload and higher satisfaction. Change management <ul style="list-style-type: none">Coordinated transition roadmap to smoothly merge two chairs into one institute by initiating communication guidelines, restructuring team meetings, implementing strategy retreats, and defining common goals.Secured knowledge transfer by establishing documentation standards and fostering aligned communication and collaboration. Team development <ul style="list-style-type: none">Facilitated team-building events, implemented onboarding structures, and conducted development talks.Roll-out of digital communication and collaboration systems (Mattermost server, OpenProject). Strategic and innovative project planning & funding allocation <ul style="list-style-type: none">Contributed to grant applications (DFG, EU Horizon, etc.): 6 out of 8 successfully granted.
08/2017 - 12/2023	RESEARCH ASSOCIATE Institute for Hearing Technology and Acoustics, RWTH Aachen University, Germany Project management in 3 research projects <ul style="list-style-type: none">Developed and executed project roadmaps: resource, risk, requirement, and time management.Managed stakeholders (e.g., funding institutions, governmental institutions, educational institutions). International, interdisciplinary and cross-functional collaborations <ul style="list-style-type: none">Participated in small and large (inter-)national project work with consortia of up to 20+ partners.Coordinated young researchers' programs within the consortia, e.g., EU Horizon 2020 project Equal-Life. People engagement & development <ul style="list-style-type: none">Supervised student and project work: 7 bachelor theses, 9 master theses, 13 student workers (in groups of 4-5 students in parallel, individually & collaborative).
2015 & 2016	BIOMEDICAL ENGINEERING INTERN IN CORPORATE INDUSTRY Hearing technologies (2016): Cochlear Benelux NV, Mechelen, Belgium Cardiac implant technologies (2015): Abiomed Europe, Aachen, Germany

EDUCATION

10/2017 - 01/2025	DR.-ING. - ELECTRICAL ENGINEERING RWTH Aachen University, Aachen, Germany
09/2010 - 05/2017	B.SC. (COMPUTER ENGINEERING) & M.SC. (BIOMEDICAL ENGINEERING) - ELECTRICAL ENGINEERING RWTH Aachen University, Aachen, Germany ERASMUS EXCHANGE PROGRAM - BIOINFORMATION TECHNOLOGY (2016) Aalto University, School of Electrical Engineering, Espoo, Finland
06/2010	ABITUR (general qualification for university entrance) Städt. Gymnasium Eschweiler, Eschweiler, Germany

EXTRA-CURRICULAR ACTIVITIES

since 09/2023	CORE ORGANIZATION TEAM MEMBER OF WOMEN@DEGA German Acoustical Society (DEGA - Deutsche Gesellschaft für Akustik) Founding member <ul style="list-style-type: none">Pioneered a network to advocate and catalyze the empowerment of females in engineering and acoustics. Event & sponsor management <ul style="list-style-type: none">Implemented and applied funding strategies, managing stakeholders, and collaborators for events.
10/2021 - 12/2023	ELECTED REPRESENTATIVE FOR SCIENTIFIC EMPLOYEES Institute for Hearing Technology and Acoustics, RWTH Aachen University, Germany Stakeholder management <ul style="list-style-type: none">Successful determined agreements satisfying all academic groups (professors, students, external stakeholders), including their needs, expectations, and objectives in different committees (e.g., professor appointment committee, structure and budget allocation committee, examination board).
08/2017 - 12/2023	REPRESENTATIVE FOR GENDER AND DIVERSITY Institute for Hearing Technology and Acoustics, RWTH Aachen University, Germany Strategic advocacy <ul style="list-style-type: none">Negotiated, facilitated, and coordinated a strategy plan to increase female representation at all academic levels. Coaching & conflict management <ul style="list-style-type: none">Mentored female researchers in conflict situations by being the first contact person with PhD students and supporting them in facing the situation appropriately.
06/2016 - 10/2016	VICE CHAIRWOMAN Young Acousticians Network (YAN), European Acoustics Association (EAA) Resource & people management <ul style="list-style-type: none">Co-led a team of six people by building an efficient and productive organization structure, defining roles and responsibilities, and maintaining collaboration and network structures to optimize output and achievements with limited resources in a non-profit association for young researchers. Management of social media & digital communication channels <ul style="list-style-type: none">Facilitated a digital information and networking platform for young professionals across Europe.Implemented a curated social media strategy to achieve higher visibility, leading to a higher budget. Program development & coordination <ul style="list-style-type: none">Developed and implemented an international mentoring program within acoustic across European universities and companies to foster exchange between juniors and seniors across countries.Coordinated the (digital) international job fair for students and young professionals by collaborating with acoustic companies and universities. During COVID times, a digital solution was created within the shortest time, resolving problems of interaction, communication, and networking within online events.
10/2015 - 12/2015	CHAIRWOMAN ROCK YOUR LIFE! Aachen e.V. Strategic planning <ul style="list-style-type: none">Defined yearly roadmaps to enhance mentoring activities, raise membership numbers, and gain more public awareness towards educational equity for all children of every background. Sponsor recruiting <ul style="list-style-type: none">Implemented a structured system to achieve yearly required funding by introducing sponsoring events, yearly updates on activities for members and supporters, and cultivating public relations via social media.

MISC

LANGUAGES	German (Native), Cantonese (Native), English (Fluent), Mandarin (Advanced)
TECHNICAL SKILLS	<ul style="list-style-type: none">Statistical analyses (SPSS, R)Programming (Python, MATLAB, basics in C++, Git, HTML, CSS)Professional writing & presentation (MS Office, Adobe CC, L^AT_EX, Canva)Digital project management & collaboration tools (OpenProject, Trello, Mattermost, MS Teams)

My complete publication list and further information can be found on my online portfolio via karin-loh.net.

References are available upon request.