Dr. Patrick Nsengiyumva is a senior radiation effects engineer and program manager with the Boeing Research & Technology Organization, where he focuses on modeling, testing, and mitigation of radiation effects in advanced ASIC and System-on-Chip designs for a variety of radiation environments. Patrick is a subject matter expert in state-of-the-art RHBD technologies and has authored/co-authored over 25 peer-reviewed journal publications in the radiation effects community. He has also been a co-chair of the GOMACTech Radiation Hardened Technologies & Systems session since 2023. Patrick received a Ph.D. degree in electrical engineering from Vanderbilt University, in which he characterized single event effects induced failure modes in sub-32nm CMOS devices.