

DESIGN OF LOW COMPLEXITY ADJUSTABLE FILTER BANK FOR PERSONALISED HEARING AID SOLUTIONS

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Hearing has been described as the most important survival sense for service members. Sound is often the first source of information a warrior has before direct contact with the enemy. As such, hearing is vital for both lethality and survivability. In the military, hearing is fundamental to the instruction, teamwork and reporting skills that are necessary for mission accomplishment. Outside of the military, hearing is essential for forging relationships and connections with friends and family, fully participating in team and community activities, and experiencing life events. It does use any surgical operations.