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Towards independent living of Alzheimer's patients in Saudi Arabia: Patterns of daily living and features of smart homes

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In recent years, elderly patients Who suffers from Alzheimer's disease face challenges to live alone safely in their own homes. Their personal care worries their relatives in case being alone in their homes. Also, the cost for care in nursing homes or hospitals is high and increases if care is mobilized to their own homes, while being not favoured in Saudi Arabian culture. This makes it necessary to create smart houses for patients to support them live an independent life in their own homes with their behaviour being constantly monitored and assisted by an intelligent artificial system to provide assessment and necessary assistance when needed, while being linked to relatives or care providers. For this

reason, this poster aims to: a) Identify from previous studies common activities performed by Alzheimer's patients to define patterns of daily living in the context of Saudi Arabian. b) The overall project system structure and design. C) Identify types of personal and environmental sensors and use for independent living and Provide a generic framework implement intelligent homes for Alzheimer's patient.

Speaker Biography

Riyad A Alshaqi works in Prince Sultan Military Medical City at Saudi Arabia. His research interest is in the study of Alzheimer.

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