

## FMfI2023 Program

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Title	<b>The role of AI in society and communities for sustainable progress</b>
Abstract	<p>The presented research emphasizes the potential of AI to contribute significantly to greater social good. This technology addresses the world's most pressing challenges. A more resilient and sustainable future can be built by using AI as a powerful tool. By focusing on flood protection, agricultural yields, and social security, we showcase the diverse applications of AI in these domains. In the realm of flood protection, AI algorithms are employed to identify high-risk areas, facilitating improved flood protection systems. This approach aids in minimizing casualties and injuries caused by flooding events. AI techniques also play a vital role in forecasting agricultural yields. By leveraging data-driven insights, farmers can make informed decisions regarding planting and harvesting, leading to enhanced food security. Furthermore, our discussion highlights the application of AI in estimating compensation and determining contribution rates for the Social Security Fund. Such analyses enable governments to establish appropriate rates, ensuring the long-term sustainability of social security systems.</p>