

FRI-1.414-1-MIP-02

DESIGN AND IMPLEMENTATION OF A WEB-BASED GEO-MULTIMEDIA EVENT MANAGEMENT SYSTEM²

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Abstract: *This paper examines the design and implementation of a web-based geo-multimedia event management system that allows users to create, store, and visualize travel and performance events, enriched with multimedia content and precise geographic location.*

As a proof of concept, the system is applied to an interactive travel diary for performers, allowing them to document rehearsals, performances, and trips by placing geotagged photos, videos, and notes on the map.

The proposed platform uses HTML, CSS, and JavaScript for the frontend, Leaflet.js for interactive map visualization, and Firebase for data and multimedia storage. The system allows for rapid event entry with automatic GPS geocoding, text notes, and photo attachment.

Key words: *geomultimedia, web application, location-based services, travel diary.*

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²Докладът е представен на конференция на Русенския университет на 24 октомври 2025 г. в секция „Математика, информатика и физика“ и отразява резултати от работата по проект № 25-ФПНО-04, финансиран от фонд „Научни изследвания“ на Русенския университет. Номиниран е за публикуване в Compiled edition of Reports Awarded with “Best Paper“ Cristal Prize’25, as a hard copy (ISBN 978-954-712-826-2) and on-line on the Conference Website (<http://conf.uni-ruse.bg/bg/?cmd=dPage-&pid=-bestPapers>).