



ARTIFICIAL INTELLIGENCE APPLICATIONS IN THE ATMOSPHERIC ENVIRONMENT: STATUS AND FUTURE TRENDS

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Abstract

The Air Quality Management problem calls for detailed, case-specific knowledge and requires, due to legal mandates, the development of operational, environmental parameter related, incident forecasting. Both targets can be met by applying Artificial Intelligence (AI) methods, and by employing relevant computational algorithms that are capable of producing reliable results. The current paper provides with an overview of the problem domain, identifies goals and proposes methods that may be employed in order to effectively deal with real world environmental management – air quality problems.

Key words: air quality, artificial intelligence, knowledge extraction, parameter forecasting
