

UNIVERSITY OF THESSALY
School of Engineering - Department of Civil Engineering

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**Open source Finite Element Code for numerical simulations in
computational mechanics problems: MSolve. Presentation
and capabilities**

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Wednesday **1/6/2022**, Time: **11:00**

Webinar: [MS Teams](#)

Live Streaming: [DIAVLOS](#), [YouTube](#)

Abstract:

The scientific field of Computational Mechanics is one domain of significant importance for Civil Engineers. For all infrastructures like houses, dams, bridges, railways etc the complexity of the load bearing bodies and the loadings subsequent to high quality requirements for the infrastructure. Therefore, the demand for large scale computations is constantly increasing. The evolution and progress of the computer science and software engineering contributes to the satisfaction of this demands. In this lecture an open source Finite Element Code for numerical simulations in computational mechanics problems is presented. The capabilities and advantages of the aforementioned code will be postulated alongside with fields of improvement which are under investigation and development. Finally, the access to the following code will be provided and a discussion for dissemination purposes will be followed.

