

## Contact Information

Name/Surname: Christos/Nastos

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## Under-Graduate Information

Signed up at Mechanical Engineering & Aeronautics Department (University of Patras) on September 2008 and received his diploma on January 2014.

Diploma Thesis: Construction of a spectral high order theory beam element for simulation of wave propagation problems in time domain

Diploma Grade: 8.21/10

## Post-Graduate Information

Projects Involved:

**FIMAC:** Fast impact cross-analysis methodology for composite leading edge structures (2014-2015). CleanSky JTI, SGO-02-073

**FlexSense:** Flexible sensor cooperation for structural health diagnosis/prognosis (2014-2015). CleanSky-JTI, GRA-01-054.

Current research topics

- Wavelet-based elements and time domain spectral development (Classical, High Order and Layer-wise theories) for dynamic problems
- Structural Modal Analysis
- Wave propagation in laminated composites
- Impact Analysis
- High velocity impact tests
- Explicit Algorithms development
- Inverse Methods (Optimization)
- Participation on International Proceedings and Journals

## Teaching Experience

- Teaching assistant of the laboratory exercises of the courses “Finite Element Methods for Structural Analysis” and “Introduction to Finite Element Method” at Mechanical and Aeronautical Engineering Department of University of Patras