

Curriculum Vitae

Amin Tanhadoost

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EDUCATION

Isfahan University of Technology

PhD Candidate, Structural Engineering

2016-recent

Sharif University of Technology

Master's degree in English, Structural Engineering

2013-2016

Thesis: "Temperature-Dependent Multi-scale Simulation of Single Layer Graphene Sheet in Large Deformations"

Supervisor: Prof. Dr. A.R. Khoei, Co-supervisor: Dr. M. Jahanshahi

Isfahan University of Technology

Bachelor of Applied Science, Structural Engineering

2008-2013

Project: "Corrosion of Steel in reinforced concrete structures"

Supervisor: Dr. M.R. Eftekhar

National Organization for Development of Exceptional Talents, Allame Helli Education Center

Diploma in Mathematics and Physics

2001-2008

EXPERIENCE

Graduate Teaching Assistant

Sharif University of technology

February 2013-2015

Course: "Finite Element Method"

Member of Executive Committee

9ICEE (9th International Civil Engineering Exhibition)

Isfahan University of Technology, Isfahan-Iran

April-May 2012

Member of Executive Committee

11th National Seminar on Surface Engineering

Olympic Hotel, Tehran-Iran

August-September 2010

Development Consultant

Arak Rayehe Pardis Company

2012-Present

PUBLICATIONS AND PAPERS

"Economical Investigation of Using Stainless Steel Clad Rebar In RC Structures for Preventing Corrosion."

A. Tanhadoost, M.R. Eftekhar

Iranian Society of Surface Science and Technology-2013

www.civilica.com/Paper-ISSE14-ISSE14_076.html

PRESENT PROJECTS

Atomistic Continuum Modelling of Single Layer Graphene Sheet Based on Interatomic Potentials

Corrosion Simulation of Reinforced Concrete Structures with Stainless Steel Clad Rebars

Multiscale Simulation of Reinforced Granular Particles

SKILLS

Problem Solving

Finite Element Analysis/Nonlinear/X-FEM

Matrix Analysis of Structures

Multi Scale Modelling and Computational Mechanics

Molecular Dynamics/Statics

Numerical/Computational Calculation and Simulation

Topology Optimization/Shape Optimization

Reinforced Concrete Structures

ENGINEERING SOFTWARES

MATLAB

LAMMPS

ABAQUS

ETABS

SAFE

VOLUNTEER

HIV/AIDS Prevention Peer Education

World Health Organization / Isfahan Health Office / Isfahan University of Technology Health Center

2010-2011

LANGUAGES

Farsi/Persian - native

English - Intermediate