



دانشگاه صنعتی امیرکبیر  
(پلی تکنیک تهران)

پست الکترونیک:  
[aghdam@aut.ac.ir](mailto:aghdam@aut.ac.ir)

شماره تماس:

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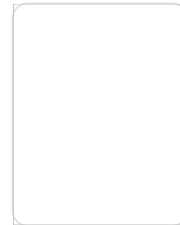
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محمد محمدی اقدم

استاد

دانشکده مهندسی مکانیک  
گروه آموزشی طراحی جامدات



### رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	ارائه مدل ساختاری برای پیش بینی رفتار ساقه مغز در اثر آسیب های مکانیکی	فائزه اسکندری و محمد محمدی اقدم	اسفند 1399
2	تحلیل رفتار صفحات کامپوزیت حاوی الیاف خمیده تحت بار متحرک با استفاده از تئوری الاستیسیته سه بعدی و منحنی های نررز	یاسین حیدرپور و محمد محمدی اقدم	آذر 1395
3	بررسی چند مقیاسی رفتار فوم های فلزی سلول باز تحت بارگذاری های ایستایی و خستگی پرچرخه	رضا هدایتی و محمد محمدی اقدم	تیر 1395
4	رفتار کمانش و پس کمانش نانو پوسته های استوانه ای با در نظر گرفتن اثر تنش سطحی تحت بار محوری به همراه شبیه سازی دینامیک مولکولی	سعید سهمانی و محمد محمدی اقدم	اسفند 1394
5	تحلیل رفتار ترمومکانیکی مواد و سازه های تقویت شده با الیاف حافظه دار با استفاده از مدل میکرومکانیک	علیرضا دامن پاک مقدم و محمد محمدی اقدم	اردیبهشت 1394
6	تحلیل استاتیکی و دینامیکی ورق مستطیل با نوارهایی از آلیاژ حافظه دار	مهدی بدآغی و محمد محمدی اقدم	اردیبهشت 1394
7	توسعه روش دیفرانسیل کوادریچر المانی (DQEM) به تحلیل مایکرومکانیک مواد مرکب تحت بارهای ترمومکانیکی	محمد بیات و محمد محمدی اقدم	خرداد 1391
8	بررسی مایکرومکانیک شروع وگسترش خرابی مواد مرکب زمینه فلزی تحت بار ترمومکانیکی با استفاده از روش بدون المان	عیسی احمدی و محمد محمدی اقدم	دی 1389
9	تحلیل مکانیزمهای خرابی در مواد مرکب پایه فلزی با استفاده از تعمیم روش سلول واحد	محمدجواد محمودی و محمد محمدی اقدم	دی 1388

پایان‌نامه‌های کارشناسی ارشد

#	عنوان پایان نامه	توسط	تاریخ دفاع
1	بررسی رفتار ترمومکانیکی مواد متخلخل منظم تحت بارگذاری چند محوره	علی کوچکی و محمد محمدی اقدم	مهر 1400
2	شبیه سازی دینامیک مولکولی و ساخت نانوکامپوزیت مغناطیسی آلزینات-پلی پیرول- هیدروکسی آپاتیت با کاربرد جایگزین استخوان	هادی کبیر و محمد محمدی اقدم	شهریور 1400
3	تحلیل تجربی و عددی داربست های نانوکامپوزیتی مغناطیسی زیست سازگار	علی خالوندی و محمد محمدی اقدم	شهریور 1400
4	بررسی رفتار ویسکوالاستیک زیست مواد متخلخل	سیدمحسن حسینی و محمد محمدی اقدم	فروردین 1400
5	تعیین حد تسلیم ماده متخلخل با استفاده از یک روش ماکرو-میکرو مکانیکی	غزل السادات شریعت پناهی و محمد محمدی اقدم	آذر 1399
6	ساخت، مشخصه یابی و شبیه سازی بیوکامپوزیت پلی متیل متاکریلات - هیدروکسی آپاتیت تقویت شده با نانوذرات گرافن جهت کاربرد در مهندسی پزشکی	عارف بابکی و محمد محمدی اقدم	شهریور 1399
7	تحلیل رفتار افزودنی الاستین بر خواص بیومکانیکی نانوکامپوزیت هیدروکسی آپاتیت/ پلی متیل متاکریلات در مهندسی بافت استخوان تحت ضربه سرعت پایین	متین محمدزاده راد و محمد محمدی اقدم	شهریور 1399
8	تشخیص سرطان پروستات با استفاده از تصاویر التراسونیک به روش بازسازی غیرمستقیم	سیدشهاب الدین اسحاقی نیا و محمد محمدی اقدم	بهمن 1398
9	اثر افزودن نانوذرات مغناطیسی بر خواص مکانیکی کامپوزیت هیدروکسی آپاتیت/پلی متیل متاکریلات مورد استفاده در بافت استخوان	فریدالدین موذنی و محمد محمدی اقدم	بهمن 1398
10	تحلیل وابسته به اندازه ارتعاشات اجباری نانولوله های کربنی انتقال دهنده سیال	محمد معبودی و محمد محمدی اقدم	بهمن 1397
11	مطالعه تئوری و تجربی خواص مکانیکی کامپوزیت های پلیمری تقویت شده با نانورق های گرافن	محسن معینی و محمد محمدی اقدم	بهمن 1397
12	تحلیل تجربی و عددی رفتار خمشی ورق کامپوزیتی با تقویت کننده نانو لوله های کربنی دو جداره	محمودرضا دهنوی و محمد محمدی اقدم	بهمن 1397
13	بررسی ناپایداری پوسته مخروطی FG-CNTRC ناشی از کنش و واکنش جامد و سیال	نرگس محمدی و محمد محمدی اقدم	مهر 1397
14	مدلسازی میکرومکانیکی متامتریال با ساختار میورا اوری	حسین سلیمانی و محمد محمدی اقدم	تیر 1397
15	مدلسازی ریزمقیاسی رفتار مکانیکی استخوان با بهره گیری از تصاویر سی تی اسکن	نعیم قوبیل نیا و محمد محمدی اقدم	بهمن 1396
16	بررسی تحلیلی و تجربی خواص مکانیکی فوم های سلول باز تحت بارگذاری استاتیکی	ابوالفضل صالحی و محمد محمدی اقدم	دی 1396
17	ارتعاشات آزاد غیر خطی نانو پوسته های استوانه ای شکل	علی سرافراز و محمد محمدی اقدم	مهر 1396
18	تحلیل رفتار مکانیکی مواد چند جنسی با استفاده از روش المان محدود توسعه یافته	سیدمحمدجواد میرباقری و محمد محمدی اقدم	بهمن 1395
19	بررسی میکرو مکانیکی اثر لایه واسط با خواص تابعی در رفتار مکانیکی کامپوزیتهای الیافی	محسن یارمحمدی و محمد محمدی اقدم	دی 1394
20	مدل سازی و تحلیل تنش ورق فولادی و کامپوزیتی تحت بارهای ناشی از موج شوک زیرآب	حامد جعفری و محمد محمدی اقدم	مهر 1394
21	بررسی عددی و تجربی رفتار مکانیکی فوم فلزی سلول بسته تحت بارگذاری ضربه	مهداد کلوشانی و محمد محمدی اقدم	مهر 1394

22	تحلیل اعوجاج هندسی در پانلهای چندلایه فلز-الیاف در فرایند پخت	محمد هدایتی نژاد و محمد محمدی اقدم	شهریور 1394
23	تحلیل تئوری و تجربی قانون نفوذ سنبه کروی در ورق های ساندویچی با هسته نرم	حسین روان بخش حبیب آبادی و محمد محمدی اقدم	بهمن 1393
24	مدل سازی مایکرومکانیکی خرابی لایه میانی الیاف و زمینه درمواد مرکب فلزی تحت بارگذاری خارج از محور	سیدمحمدامین حسینی و محمد محمدی اقدم	مهر 1393
25	بررسی ارتعاشات نانو تیر ساخته شده از مواد هدفمند	حامد نیکنام جهرمی و محمد محمدی اقدم	مهر 1393
26	بررسی میکرومکانیکی ماده مرکب فلزی تک جهت در دما های بالا	حمید توفیقی اصل و محمد محمدی اقدم	بهمن 1392
27	مدل سازی میکرومکانیکی رفتار مواد مرکب حاوی فایبرهای پیزوالکتریک	مهدی عین بیگی و محمد محمدی اقدم	آبان 1392
28	آنالیز میکرومکانیکی مواد مرکب خود ترمیم شونده	سیده زهرا ایمن و محمد محمدی اقدم	آبان 1392
29	تحلیل کمانش پانل استوانه ای با لایه های پیزو	ارین صارمی مقدم و محمد محمدی اقدم	آبان 1392
30	تحلیل پایداری ورقهای کامپوزیتی متقارن ومتعامد با جدایی لایه ای در عرض	محمدمصطفی باروتی و محمد محمدی اقدم	مهر 1392
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33	تحلیل خمشی قطاع دایروی شکل ضخیم ساخته شده از مواد هدفمند تحت بار موضعی با استفاده از روش کانترویج توسعه یافته.	محمدحسن سبحانی و محمد محمدی اقدم	آبان 1391
34	مدلسازی المان محدود پدیده بیرون کشیدن الیاف در مواد مرکب تک جهت	الیاس عبداللهی و محمد محمدی اقدم	مهر 1391
35	ارائه ی مدل مایکرومکانیک سه بعدی برای شروع و گسترش خرابی لایه ی میانی در مواد مرکب ذره ای پایه فلزی	میلاد شهباز و محمد محمدی اقدم	بهمن 1390
36	بررسی مایکرومکانیکی خرابی لایه مشترک زمینه و رشته در مواد مرکب تک جهت با خواص ویسکوالاستیک	سیدرضا مرسلی و محمد محمدی اقدم	بهمن 1390
37	تحلیل خمشی پوسته های باز مخروطی (FG) با استفاده از روش توسعه یافته کانترویج	نسترن شاه منصوری و محمد محمدی اقدم	آذر 1388
38	حل معادلات پوسته های عمومی کامپوزیت توسط روش کانترویج توسعه یافته	کسری بیگدلی و محمد محمدی اقدم	آذر 1388
39	تحلیل غیر خطی استاتیکی ورق قطاعی ضخیم به روش GDQ	عطیه اندخشیده و محمد محمدی اقدم	شهریور 1387
40	تحلیل پانل های استوانه ای ازمواد هدفمند تحت بار استاتیکی خمشی به روش GDQ	ستار مالکی و محمد محمدی اقدم	شهریور 1387
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43	طراحی و بهینه سازی شبکه مبدلهای حرارتی بااستفاده از الگوریتم ژنتیک	محمد فسنگری و محمد محمدی اقدم	اردیبهشت 1386

44	تحلیل استاتیکی ورق ضخیم باشکل نامنظم، بارگذاری موضعی و شرایط مرزی ترکیبی توسط روش GDQEM	سعید فاضلی و محمد محمدی اقدام	آذر 1385
45	مدل المان محدود شرح خرابی در لایه میانی فایبروماتریس در مواد مرکب فلزی تحت بارگذاری مرکب	میثم گرجی بندپی و محمد محمدی اقدام	آذر 1385
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47	استفاده از روش کانترویچ توسعه یافته (EKM) در حل خمش ورق های قطاعی	مسعود محمدی و محمد محمدی اقدام	آبان 1385
48	تحلیل خمشی پانلهای مخروطی ارتوتروپیک بااستفاده از روش GDQ	مهدی دشتی خویذکی و محمد اسفند محمدی اقدام	اسفند 1384
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50	چیدمان مناسب لایه های پانل چندلایه برمیانی ارتعاشات آزاد بااستفاده از روش سیمپلکس	احسان عامری و محمد محمدی اقدام	بهمن 1384
51	مدل تحلیلی آرایش اتفاقی فایبرهادر مواد مرکب تک جهت باروش SUM	امیر دزستان و محمد محمدی اقدام	اسفند 1383
52	استفاده از روشهای بدون المان در تحلیل خمش ورقهای ارتوتروپیک	سیدمحمدرضا علوی طباطبایی و محمد محمدی اقدام	بهمن 1383

## کتاب

#	عنوان	نگارندگان/مترجمان	کشور ناشر	تاریخ انتشار	نسخه
داده های ثبت شده در پورتال					
1	Nonlinear Approaches in Engineering Applications, Ch 11: A Semi-analytical Solution for Bending of Nonlinear Magnetostrictive Beams	سیدعبدالله شیخ الاسلامی، محمد محمدی اقدام	United States	خرداد 1397	1
2	Nonlinear Approaches in Engineering Applications, Ch 5: Nonlinear Size-Dependent Instability of Hybrid FGM Nanoshells	سعید سهامانی، محمد محمدی اقدام	United States	خرداد 1397	1
3	Nonlinear Approaches in Engineering Applications, Ch 7: Nonlinear Forced Vibration of Nanobeams	محمد محمدی اقدام، حامد نیکنام جهرمی	Germany	خرداد 1395	1
4	Nonlinear Approaches in Engineering Applications, Ch 8: Analytical Solutions for Generalized Duffing Equation	محمد محمدی اقدام، علی فلاح	Germany	خرداد 1395	1
5	سازه های مکانیکی تیر-ورق و پوسته	محمود شاکری، اکبر علی بیگلر، محمد محمدی اقدام	ایران	خرداد 1387	1
6	Residual stresses in metal matrix composites	محمد محمدی اقدام، سیدرضا مرسلی	United Kingdom	تیر 1400	2
7	Nonlinear approaches in Engineering Applications; Ch5: Nonlinear initial value ordinary differential equations	محمد محمدی اقدام، علی فلاح، پوریا حقی	United States	بهمن 1393	1
8	Residual stresses in composite materials, CH 9: Understanding residual stresses in metal matrix composites	محمد محمدی اقدام، سیدرضا مرسلی	United Kingdom	آذر 1392	1
9	Nanomaterials for Advanced Biological Applications Size-Dependent Nonlinear Mechanics of Biological Nanoporous Microbeams	سعید سهامانی، محمد محمدی اقدام	Germany	فروردین 1398	1

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- 11 Faezeh Eskandari, Mahdi Shafieian, Mohammad Mohammadi Aghdam, Kaveh Laksari, "The Importance of Axonal Directions in the Brainstem Injury during Neurosurgical Interventions", *INJURY-INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED*, Vol. 51, Num. 10, Page 1-10, October 2020,
- 12 Faezeh Eskandari, Mahdi Shafieian, Mohammad Mohammadi Aghdam, Kaveh Laksari, "Tension Strain-Softening and Compression Strain-Stiffening Behavior of Brain White Matter", *ANNALS OF BIOMEDICAL ENGINEERING*, Vol. 48, Num. 0, Page 0-0, June 2020,
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## دروس ارائه شده

#	عنوان درس	توصیف درس	دوره سرفصل ها درسی
1	Strength of Materials (I)	Strength of materials investigates mechanical behavior of engineering materials and their strength in different loading conditions.	Fall 2021
2	Advanced Numerical Methods	To learn how to solve different algebraic and differential equations	Fall 2021
3	Statics	Static analysis of systems under different loading conditions and obtaining the failure possible locations in bodies	Spring 2021
4	Advanced Numerical Methods	To learn how to solve different algebraic and differential equations	Spring 2021
5	Strength of Materials (II)	Deflection of beams and stress- strain analysis, failure of materials and buckling of beams and columns	Spring 2021

6 Advanced  
Numerical  
Methods

To learn how to solve different algebraic and differential equations



Fall  
2020

7 Strength of  
Materials (I)

Strength of materials investigates mechanical behavior of engineering materials and their strength in different loading conditions.



Fall  
2020