رزومه

اطلاعات فردی

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نام خانوادگی: هاشم‌زاده
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سوابق تحصیلی

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کارشناسی ارشد: فوتونیک، دانشگاه شهید بهشتی (۱۳۸۸)

عنوان پایان‌نامه: بررسی اثر نیروی پاندروموتیو امواج الکترومغناطیسی فرکانس بالا بر روی پلاسمای چگال

استاد راهنما: علیرضا نیکنام

دکتری: فوتونیک، دانشگاه شهید بهشتی (۱۳۹۲)

عنوان رساله: شبیه‌سازی ناپایداری بونمن در پلاسماهای حامل جریان با استفاده از روش ذره در جعبه

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زمینه‌های تدریس

فیزیک ۱ و ۲، ریاضی فیزیک۱ و ۲، لیزر، مبانی کامپیوتر، محاسبات عددی، پلاسمای ۱ و ۲، برهمکنش لیزر-پلاسما، اپتیک ۱و ۲.

زمینه‌های تحقیقاتی

بررسی امواج الکترومغناطیسی فرکانس بالا با پلاسما

ناپایداری‌ها در پلاسما

برهمکنش امواج مایکروویو توان بالا با پلاسما

سیستم‌ها و فرآیندهای کاشت یونی

روش‌های شبیه‌سازی در پلاسما

افتخارات

استاد برتر آموزشی در سال‌های ۱۴۰۰ و ۱۴۰۲

مهارت‌ها

آشنایی با نرم افزارهای Origin و Python ،Fortran, Matlab, Maple

زبان انگلیسی (خوب)

گذراندن دوره آموزشی کارآفرینی

کتاب

ترجمه کتاب «فیزیک و مهندسی پلاسما»

تالیف «محاسبات عددی بر مبنای پایتون برای علوم و مهندسی» (در حال نوشتن)

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15- D. Kalhor and M. Hashemzadeh, Investigation of beam waist of laser beam in electron-hole plasma, 26th Iranian Conference on Optics and Photonics and 12th Iranian Conference on Photonics Engineering, kharazmi University, Tehran, Iran, (4,5 Februray, 2020).

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