

EDUCATION

Dissertation: treatment of intermultiplet transitions during $\text{Ne}^*(2p^5 3p) + \text{He}$ collisions at thermal energy. Polarization effects, interpretation of

ACADEMIC ADMINISTRATIVE & RELATED HIGHER EDUCATION EXPERIENCE

Research assistant on a Department of Energy sponsored project titled scattering on alkali-atoms. Photo-detachment of negative (

Research assistant with responsibilities in writing grant proposals, providing administrative support for our research group, supervise students, schedule and budget responsibility.

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- Ø Co-supervisor (with Dr. Rafi Tadmor, from Chem E) of one Ph.D. candidate in Chem. Engr., Mr. Ken Pepper. Ph.D. degree awarded in December 2015;
 - Ø Advisor of the Ph.D. candidate Hiraku Matsukuma from Kyoto University, Japan (supervisor Prof. Masahiro Hasuo). Ph.D. degree awarded in March 2013;
 - Ø Master thesis supervisor for Don Duplan (graduation August 2013), Md. Mozammal Raju (graduation May 2014), and Md. Kairuzzaman (graduation December 2014) from the Phillip M. Drayer Department of Electrical Engineering.

- Ø Member of the American Physical Society (since 1998);
- Ø ~~SCIENCE FELLOWSHIP~~ Collaborative of the College Career Readiness Initiative (since 2010);
- Ø Beta Xi Chapter of Phi Beta Delta, Honor Society for International Scholars (2013);
- Ø American Association for the Advancement of Science (AAAS) (since early 2000s);
- Ø Executive Board Member for the Texas section of the American Association of Physics Teachers (2014-2016)

for many years to peer-reviewed journals such as the

thermiques et superthermiques(Bahrim C., Kucal H. and Masnou-Seeuws F, Proceedings.
