# ASEC 109E, Alaron, CH44325

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RESEA	RCHA	REAS

SufaceEngineering TribologyandLubrication Manufacturing Mechanics of Materials

## PROFESSIONAL EXPERIENCE

Associate Professor; Department of Mechanical Engineering the University of Alaron
Assistant Professor; Department of Mechanical Engineering the University of Alaron
2013/2019

## **EDUCATION**

- 7. , Steven Markooi, Nicholas Walters, Hongsu Gao, , Shengxi Li, Haifeng Qin , Cary L. Doll, Horgho Corg. Ashlie Martini, Vijay K. Vasurtsan, Xiarfeng Zhout, Nita Sahri, , and C Yet. Hierardical structures on rickel titarium fabricated by ultrascric remonstal surface nodification Materials Science and Engineering C93, 12 (2018). , Xi-Qao Ferg and Quyang Li\*, Impacts of environments on nanoscale wear 8 Yizhu Qi behavior of gaptere Edge passivations substrate pinning Carbon 139, 5966 (2018) , JunLiu HifergQin 9 , Gary L. Doll, andChargYe\*. The effects of electrically assisted ultrascric remonstal surface modification on 3D printed Ti-6Al-4V alloy. Additive Marufacturing 22 60 (2018) 10 Jinging Shi, Jonghoon Lee, , Ajit Roy, Tinothy S. Fisher, and Xiulin Ruart Phonon polarization conversion across dimensionally mismatched interfaces. Carbon manufule-graphene junction Physics Review B 97, 134309(2018) , Xiarferg Zhout, Horgyu Gao, Steven Markoci, Yang Liu, Xiahai Sang, Haiferg Qin, 11. , NSahi, andC. Yet. The effects of laser shock , GayL. Ddl, Ashlie Matiri, pering on the mechanical properties and biomedical behavior of AZ3IB magnesium alloy. Surf. Coatings Technol., 339 48 (2018) 12 Tup.I. , Logon Brishin, Effect of interface on the medianical behavior of and polybutatiere-silicacomposites Anexperimental ardsimulationstudy J. Appl. Polym. Sci. 135, 48089 (2018) , Haiferg Gin Nitin Mehra Jaha Zhu Zhengran Yang Gary L. Doll, Chang Yet, and 13 Controllable hierarchical micro/mano patterns on biomaterial surfaces fabricated by ultrascric manocystallime surface nodification Materials & Design 137, 325 (2018) , Chang Ye\*, and \*. An opensource code to generate carbon 14 randube/gapherejurctions Computational Materials Science 146, 143 (2018) 15 Haiferg Qin , Charg Ye, Gay L. Ddl\*, and . Effects of ultrascric rancoystal suface notification on the wear arthrid opitting behavior of bearing steel in boundary lubicated steel**sted contacts Wear: 392, 29(2017)** 16 , Haifeng Qin , Gary L. Doll, , andCharg Yet. Lowtenpeatueritriding of narrosystalline Incord 718 alloy, Surface and Coatings Technology, 33, 10(2017) , Shui Zhang Quyang Li\*, Xi-Qiao Feng Zengfeng Di, Chang Ye, and 17. nod lation by noiré supelatice structure. Suffing on periodically und lated grapheres bests Carbon 125, 76(2017) , SeggySuslov, Shergai Li, HaifergQin, 18 , Gary L. Doll, Horgho Corg Ye\* Electrically Assisted Ultrascric Nanocystal Surface Modification of Ti64/4V Alloy, Advanced Engineering Materials 001700470(2017) , Tuo.I, Chris G. Robertson, R. Rajeshbabu, Jahun Zhu, and **Molecular dynamics modeling of** tensilebehasion of narquatide/polymensystemflineScience and TechnologyVol. 45 No 3 July-September 2017 , Charg Ye, Garg Cherg Horgho Corg\*, Erhanced Pitting Conosion Resistance of 30 ES in 35 Mt/NaCl by Ultrascric Nanocystal Surface Modification, Journal of The Electrodrenical Society 164 682 (2017) 21. , GuoXiargWarg ChargYe\*, and . Shockbulk netallic glasses to induce heterogeneity. A ndealardynmics study. Journal of Applied Physics 122, 025102 (2017) , and Charg Yet. Multiscale modeling of electropulsing of 22 , GuoXiang Wang renocystalline netals Journal of Applied Physics 122, 085101 (2017) , Haiferg Clin , Gary L Ddl, Stephanie C OKeeffe, Joseph Stevick, 23 Battoniej Wiriaski and ChargYet. Increasing fracture toughness of bulk metallic glasses using ultrascric remaystal surface modification Journal of Alloys and Compounds 718, 246 (2017) 24 , Higho Corg GuoXiarg Warg , Shengxi Li, and Charg Ye\* Effects of Ultrascric Nanocystal Surface Modification on Themal Oxidation Behavior of Ti6Al4V. Surface and Costes Technology 325, 289 298 (2017) , Milsen Taheri Andari, Haifeng Qin, Narges Shayesteh Moghaddana Handy Ibadima Almadeza 25 Jahadaldar, Amintesam Amerimetanzi, , Gary L Doll, , MdamadElatiria ChargYe\* Improvingsufacefinishandvearresistance of additive narufactured ridel-titarium by ultrascric naro crystal surface modification J Mat. Proc. Tech 249 433440(2017)
- innancoystalline materials Comp Mater: Sci. 136 243 (2017) 27. , Richard Chiang , Dong Lin, Gary L Doll, Vijay K

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Vasulsan, , and Charg Ye\* The Effects of Ultrascric Narrosystal Surface Modification on the Fatigue Reformance of 3D Printed Ti64

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- 52 , Ajay Vadakkepett and Ashlie Martini\*. Analytical models for atomic filiction Tribol. Lett. , 367-386 (2011)
- 53 Q.nyarg Li, , Ashlie Martini and Robert W. Carpick\*. Atonic fiiction modulation on the reconstructed Au (111) surface Tribol. Lett. , 3393/8 (2011)
- 54 , Q.nyarg Li, Jargu Wuard Ashlie Matiri\*. Friction, slip and structural inhonogeneity of the buried interface Modelling Simul. Mater: Sci. Erg. , 065008 (15) (2011)
- 55 Quyarg Li, , Darry Perez, Asthie Martini and Robert W Carpick\*. Speed dependence of atomic stick slip friction in optimally matched experiments and not obtained as in lateral support of the control of the control
- 56 , Damy Reez, Arthur F. Voter and Ashlie Martini\*. The roles of statics and dynamics in determining transitions between atomic filiction regimes. Tribol. Lett. , 99 107 (2011)
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- 58 Ashlie Matini, , Danny Perezand Anthur F. Voter\*. Low Speed atomistic simulation of stick-slip finition using parallel replica dynamics. Tribol. Lett. , 6368 (2009)
- 59 , BinZho and JianZheng\*. Numerical investigation of numberal electron transport in Laser Produced plasmas Chin Phys. , 3742-3746 (2007)

Firestone Foundation Fellowship (2017)

Lanbert Teaching Fellowhip School of Mechanical Engineering Rucke University (2012)

SILE Chicago Scholarship (2012)

Poster Competition (3th Place), SILE Arrual Conference (2011)

Poster Competition (2hPlace), International Joint Tribology Conference (2010)

Parasoric Electronics Talent Cultivation Foundation Scholarship in USTC (2003)

CAST (Chira Academy of Space Technology) Scholaship in USTC (2002)

Outstanding Entrance Scholarship in USTC (2001)

## **Group Member Awards**

XiaoringHou, The Groteferd Errbwed Scholarship (2018)

Jingsi Zheo Platinum Avvardin the Sturket Poster Competition, SILE Annual Conference (2018)

Jingsi Zhao SILE Carton Scholaship (2018)

Jingvi Zhao HaoZhang Zhendeng Ren Tiavel Grants MSEC conference (2017)

XiaoringHu, SILE CartonScholaship (2017)

Chi May Honele Heinen Student A Quadrat Ceriti Re I ABS Meeting (2012) 5w) Scholaren lo , SAn Marem

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