Mojtaba Porghoveh
Curriculum Vitae

PERSONAL DETAILS

Birth	May 2, 1988
Address	Soroush 16, Moalem 12, Mashhad, Iran
Phone	+98-9153222933
Mail	`mdj.prg@hotmail.com`

EDUCATION

PhD. Mechanical Engineering   `2016-2021`
Chamran University of Ahvaz, Iran

    Thesis title: Active sound cancellation system for cars: design and optimization

MSc. Mechanical Engineering   `2011-2014`
Azad University of Mashhad, Iran

    Applied Mechanics. Thesis title: Forced Vibration and Resonant Analysis of a Nonlinear vibratory system equipped with NDD damper. Thesis score: Excellent

WORK EXPERIENCE

Private Tutor   `2011-present`
Chamran University of Ahvaz, Iran. Part-time

    Teaching most of the basic units of Mechanics and mathematics

Researcher   `2019-present`
Ahmadi Roshan National Science Project, Part-time

    As a PhD candidate on Mechanics, Designing and Analysis of a tank for bio-filters was pretty much the job in a major national project

Researcher   `2018-present`
MeMoCS research center group

    Guest researcher in Mathematics and mechanics of complex systems research center in which modeling for complex bio-mechanical systems were being developed

INTERESTS

Acoustics, Vibration, Control, Nonlinear dynamics, Robotics, Artificial intelligence, Machine learning

SKILLS

Languages	Persian (mother tongue)
	English (fluent)
	MATLAB(Highly Skilled)
	PYTHON(Skilled)
	FEniCS(Familiar)
	COMSOL(Familiar)

PUBLICATIONS

- Jahanpour, J., Porghoveh, M., & Ilbeigi, S. (2016). Forced vibration analysis of a system equipped with a Nonlinear Displacement-Dependent (NDD) damper. Scientia Iranica. Transaction B, Mechanical Engineering, 23(2), 633.

- Jahanpour, J., Porghoveh, M. & Ilbeigi, S. (2016). Resonant analysis of systems equipped with nonlinear displacement-dependent (NDD) dampers. Journal of Nonlinear Dynamics, Volume 1 (pp. 67-82). Springer, Cham.

- Jahanpour, J., Porghoveh, M. & Motallebi, M. (2016). A novel trajectory planning scheme for parallel machining robots enhanced with NURBS curves. Journal of Intelligent & Robotic Systems, 82(2), 257-275

- Jalalvand, M., Porghoveh, M, & Pouyesh K. Optimum position control of a servo-pneumatic system using GA and pulse width modulation with sliding mode control. Journal of Advanced Modeling and Optimization.

- Porghoveh, M., Shirazi, K. H., & Yildizdag, M. E. (2021). A fast analytical framework to identify acoustic field properties of rectangular enclosures with a vibrating plate. Applied Acoustics, 182, 108185.

- Porghoveh, M., Shirazi, K. H., & Yildizdag, M. E. (2022). Engine noise cancellation with optimum array of speakers inside vehicle enclosures. Journal of Vibration and Control, 10775463221122126.

- Porghoveh, M., Heidari Shirazi, K., Messia, A., & Yildizdag, M. E. (2022). A PSO-based computational framework to design active noise cancelation systems for smart vehicle enclosures. Mathematics and Mechanics of Solids.

- Porghoveh, M., Feyzi Cheshmeh, M., Yildizdag, E. Developing BCI speller in four different frameworks using ICA and Neural Network. Computer methods and programs in biomedicine. (Under review)

- Jorfi,S., Ghahari,S., Ravanbakhsh,M., Porghoveh,M. Spirogyra sp. isolate gh-2 small subunit ribosomal RNA gene, partial sequence. Environmental Health Engineeing

PATENT

Controllable Static/Dynamic Humanoid Robot for Warning Announcement Capable of Flagger and Tracking device   `Dec-2016`
IR 95162

Registered Gene/RNA of a Spyrogyra algae effective as a bio filter removing heavy metals from the water in the National Center for Biotechnology Information of the United States   `Oct-2020`
GenBank: MW063644.1

GOOGLE SCHOLAR

`https://scholar.google.com/citations?user=hijmxW4AAAAJ&hl=en&oi=sra`

REFERENCES

- Korosh Heydari Shirazi, Professor of Mechanical Engineering Chamran University of Ahvaz, Iran. *Phone* +98-9121433178

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- Afshin Ghanbarzadeh, Professor of Mechanical Engineering Chamran University of Ahvaz, Iran. *Phone* +98-9166453490

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- Javad Jahanpour Professor of Mechanical Engineering Azad University of Mashhad, Iran. *Phone* +98-9155011295

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- Erden Yirdizdag Associate Professor of Mechanical Engineering Technical University of Istanbul, Turkey. *Phone* +90-5355789200

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