



## Jafar Tavoosi

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## Biography

I am Jafar Tavoosi, i born in Ilam in 1987.

## Education

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## Publications

### 1-Fundamentals of Power System Frequency Contro

#### Book

Salar Soleimani,J.Tavoosi,  
&amp; || ISBN:987-600-8700-55-5-In Persian  
Publication year:

### 2-A New Self-Tuning Nonlinear Model Predictive Controller for Autonomous Vehicles

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Yasin Abdolahi,Sajad Yousefi,J.Tavoosi,  
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DOI: <https://doi.org/10.1155/2023/8720849> ;  
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### 3-Model Development of a Hybrid Battery–Piezoelectric Fiber System Based on a New Control Method

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Polymers&amp; |December 11 2022  
DOI: <https://doi.org/10.3390/polym14245428> ;  
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#### 4-Modeling of transmission capacity in reserve market considering the penetration of renewable resources

##### Journal paper

R.Aazami,Hamid Iranmehr,J.Tavoosi,Ardashir Mohammadzadeh,Mohammad Hosein Sabzalian,Mohammad Sadegh Javadi,  
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS&amp; |October 19 2022  
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#### 5-A New Model Predictive Control Method for Buck-Boost Inverter-Based Photovoltaic Systems

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DOI: <https://doi.org/10.1155/2022/2685573> ;  
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#### 9-Optimal Control of an Energy-Storage System in a Microgrid for Reducing Wind-Power Fluctuations

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#### 10-Single-Image Reflection Removal Using Deep Learning: A Systematic Review

##### Journal paper

ALI AMANLOU,AMIR ABOLFAZL SURATGAR,J.Tavoosi,ARDASHIR MOHAMMADZADEH,AMIR MOSAVI,  
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DOI: [10.1109/ACCESS.2022.3156273](https://doi.org/10.1109/ACCESS.2022.3156273) ;  
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#### 11-A Deep-learned Type-3 Fuzzy System and Its Application in Modeling Problems

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## 13-Modeling the Price of Emergency Power Transmission Lines in the Reserve Market Due to the Influence of Renewable Energies

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## 16- Non-Singleton Type-3 Fuzzy Approach for Flowmeter Fault Detection: Experimental Study in a Gas Industry

### Journal paper

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## 17-A New General Type-2 Fuzzy Predictive Scheme for PID Tuning

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Publication year:2021 ;

## 18-A Novel Method for Faults Detection, Classification and Location in Ilam Provinces Power Transmission Network

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## 19-A NOVEL NONLINEAR CONTROL FOR UNCERTAIN POLYNOMIAL TYPE-2 FUZZY SYSTEMS (CASE STUDY: CART-POLE SYSTEM)

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Robab Ebrahimi Bavili,Ardashir Mohammadzadeh,J.Tavoosi,Saleh Mobayen,Wudhichai Assawinchaichote,Jihad H. Asad,Amir Mosavi,

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