
Hamideh DashtiKhavidaki

Professor



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Faculty of Electrical and Computer Engineering, University of
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Education

- ✓ MS, Electrical Engineering Telecommunications,Sistan and Baluchestan University - 2009
- ✓ PhD, Electrical Engineering Telecommunications,Ferdowsi University of Mashhad - 2014

Courses

- | | |
|--|---------------------------|
| 1. Communication Eircuits lab | 2. Antenna-I |
| 3. Microwave-I | 4. Antenna And Microwave |
| 5. numerical Methods for Electromagnetic | 6. Communication Eircuits |
| 7. Antenna And Microwave Lab | 8. Antenna - |
| 9. Electromagnetic Compatibility | 10. Electromagnetic |

Journals Papers

2024

[1. Using characteristic mode theory to design and analyze an X-band polarization conversion metasurface](#)

Mona Yazdani Shavakand, Javad Ahmadi Shokouh, Hamideh DashtiKhavidaki

OPTIK Volume: (298) 1-171595 - 14-171595

2023

[2. An Active VHF and UHF Electrically Small Horn Antenna Using Non-Foster Matching Circuit](#)

Atefe Sohrabi, Hamideh DashtiKhavidaki, Javad Ahmadi Shokouh

Iranian Journal of Electrical and Electronic Engineering Volume: (19) 1-2084 - 11-2084

2022

[3. Analysis of a multi-Fano plasmonic split-ring structure using characteristic mode theory for optical applications](#)

Atefeh Gholami, Javad Ahmadi Shokouh, Hamideh DashtiKhavidaki

OPTIK Volume: (262) 169365-1 - 169365-13

[4. Design and analysis of a plasmonic split rings metasurface using characteristic mode theory for optical sensing](#)

Atefeh Gholami, Javad Ahmadi Shokouh, Hamideh DashtiKhavidaki

OPTICAL AND QUANTUM ELECTRONICS Volume: (54) 459-1 - 459-22

2021

[5. Oriented beamforming of a multi-mode antenna based on characteristic mode analysis](#)

Mostafa Parvin, Javad Ahmadi Shokouh, Hamideh DashtiKhavidaki

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS Volume: (135) 153700-1 - 153700-13

[6. Analytical study of Fano phenomenon in plasmonic hexamer and heptamer using characteristic mode theory](#)

Atefeh Gholami, Javad Ahmadi Shokouh, Hamideh DashtiKhavidaki

OPTIK Volume: (243) 167388-1 - 167388-16

2020

[7. Design and analysis of a broadband electrically small antenna using characteristic mode theory](#)

Atefe Sohrabi, Hamideh DashtiKhavidaki, Javad Ahmadi Shokouh

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS Volume: (113) 152991-1 - 15299-8

8. Numerical Investigation of External Electromagnetic Field Coupling to Coplanar Waveguide

Hamideh DashtiKhavidaki

international journal of industrial electronics, control and optimization Volume: (3) 205 - 211

9. Design of a multilayer nano-antenna as a hyperbolic metamaterial with Fano response for optical sensing

, Hamideh DashtiKhavidaki, Javad Ahmadi Shokouh

OPTICAL AND QUANTUM ELECTRONICS Volume: (52) 1 - 16

10. Systematic feed locating in multi-mode MIMO antennas using characteristic mode theory

Mostafa Parvin, Javad Ahmadi Shokouh, Hamideh DashtiKhavidaki

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS Volume: (126) 153399-1 - 153399-9

2018

11. Input impedance modeling of patch and semi-rectangular substrate integrated waveguide cavity hybrid antenna

Hamideh DashtiKhavidaki, Mohammad Hasan Neshati

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS Volume: (89) 1 - 5

2015

12. Design Investigation of Microstrip Patch and Half-Mode Substrate Integrated waveguide Cavity Hybrid Antenna Arrays

Hamideh DashtiKhavidaki, mohammad hasan neshati

International Journal of Engineering Volume: (28) 686 - 692

13. Development of a Linearly Polarized Circular Substrate-Integrated Waveguide Cavity-Backed 2×2 -Slot Antenna Array

Hamideh DashtiKhavidaki, Mohammad H. Neshati

ELECTROMAGNETICS Volume: (35) 177 - 189

2014

14. Development of Low-Profile Patch and Semi-Circular SIW Cavity Hybrid Antennas

Hamideh DashtiKhavidaki, Mohammad H. Neshati

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION Volume: (62) 4481 - 4488

15. Comparative Investigation of Half-mode SIW Cavity and Microstrip Hybrid Antenna Using Different Patch Shapes

Hamideh DashtiKhavidaki, mohammad hassan neshati

International Journal of Engineering, Transactions A: Basics Volume: (27) 1573 - 1580

Conferences Papers

2017

1. [Input Impedance of Rectangular Substrate Integrated Waveguide \(SIW\) Cavity Backed Slot Antennas](#)

25th Iranian Conference on Electrical Engineering (ICEE)

Hamideh DashtiKhavidaki, mohammad hasan Neshati