Curriculum Vitae (C.V.)

Eid Abd El-Baset Eid El-Sayed

Personal Information:

Academic Rank: **Professor -Physics of Materials Science**

Department: Basic **Science Department**

Specialization: **Engineering Physics**

Position: **Physics Lecture**

Web of Science Researcher ID: GRJ-4899-2022

Google Scholar: **https://scholar.google.com/citations?user=OTH3DFIAAAAJ&hl=en**

Research Gate: **https://www.researchgate.net/profile/Ea-Eid**

ORCID Record: **https://orcid.org/0000-0002-2194-222X**

Scopus ID: **57197660414**

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Solid state Physics	Science Faculty- Benha University	2008
M.Sc.	Solid state physics	Science Faculty -Zagazig University	1999
B.Sc.	Special Physics	Science Faculty -Zagazig University	1994

Academic Experience:

Institution: Higher Technological Institute

Rank: Professor

Dates: 2022

Institution: Higher Technological Institute

Rank: Associate Professor

Dates: 2017

Institution: Higher Technological Institute

Rank: Assistant Professor

Dates: 2009

Institution: Higher Technological Institute

Rank: Research Assistant (PhD student)

Dates: 2002

Institution: Suze canal university

Rank: Teaching Assistant

Dates: 1997

Research interests:

- **Material science Physics**
- **Polymer Physics**

Publications:

A. N. Fouda, El-Shazly M. Duraia, E.A. Eid
"Ultra-smooth and lattice relaxed ZnO thin films"
Superlattices and Microstructures
73 (2014) 268–274

E.A. Eid, A. N. Fouda,
"Influence of homo buffer layer thickness on the quality of ZnO epilayers"
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,
149 (2015) 127–13

A.N. Fouda, E.A. Eid,
"Influence of ZnO nano-particles addition on thermal analysis microstructure evolution and tensile behavior of Sn–5.0 wt% Sb–0.5 wt% Cu lead-free solder alloy"
Materials Science & Engineering A,
632 (2015) 82–87
Impact factor = 4.08

E.A. Eid, A. N. Fouda, El-Shazly M. Duraia
"Effect of adding 0.5 wt% ZnO nanoparticles, temperature and strain rate on tensile properties of Sn-5.0 wt% Sb-0.5 wt.% Cu (SSC505) lead free solder alloy"
Materials Science & Engineering A,
657 (2016) 104–114

A. N. Fouda, A. B. El Basaty, E.A. Eid,
"Photo-Response of Functionalized Self-Assembled Graphene Oxide on Zinc Oxide Heterostructure to UV Illumination"
Nanoscale Research Letters,
11:13(2016) 1-8

M.A. Ahmed, A.A. Azab, E.H. El-Khawas, E. Abd EL-Baset,
"Characterization and Transport Properties of Mixed Ferrite System$Mn_{1-x}Cu_xFe_2O_4$; $0.0 \leq x \leq 0.7$"
Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry,
46(2016) 376–384.

A.N. Fouda , M. Marzook, H.M. Abd El-Khalek,
S. Ahmed, E.A. Eid, A.B. El Basaty
"Structural and Optical Characterization of Chemically Deposited PbS Thin Films"
Silicon
(2017) 9: 9–80 816

A.B. El Basaty, , A.M. Deghady, E.A. Eid,
"Influence of small addition of antimony (Sb) on thermal behavior, microstructural and tensile properties of Sn-9.0Zn-0.5Al Pb-free solder alloy"
Materials Science & Engineering A
701 (2017) 245–253

E.A. Eid , M. Ramdan, A.B. El Basaty,
"Enhancing the Creep Resistance of Sn-9.0Zn-0.5Al Lead-Free Solder Alloy by Small Additions of Sb Element"
Engineering
(2018) 2018, 10, 21-34

E. A. Eid, A.M. Deghady, A.N. Fouda
"Enhanced microstructural, thermal, and tensile characteristics of heat-treated Sn-5.0Sb-0.3Cu (SSC-503) Pb-free solder alloy under high pressure."
Materials Science & Engineering A
743 (2019) 726–732

E. A. Eid , E. H. El-Khawas, Ashraf S. Abd-Elrahman
"Impact of Sb additives on solidification performance, microstructure enhancement and tensile characteristics of Sn-6.5Zn-0.3Cu Pb-Free Solder Alloy"
Journal of Materials Science: Materials in Electronics
(2019) 30:6507–6518

E. A. Eid, A. B. El-Basaty, A. M. Deghady, Saleh Kaytbay, Abbass Nassar "Influence of Nano-Metric Al2O3 Particles Addition on Thermal Behavior, Microstructural and Tensile Characteristics of Hypoeutectic Sn-5.0Zn-0.3Cu Pb-Free Solder Alloy"
Journal of Materials Science: Materials in Electronics
(2019) 30:4326–4335

A.N. Fouda, E.A. Eid;
"Effect of high temperature annealing on epitaxially grown Ru silicide thin films"
Silicon
(2020) 12:2387–2393

N. Fouda, E. A. Eid
"Selective growth of semiconducting silicide phase based on the growth parameters"
Silicon
12:2497–2501

E. A. Eid , M. Ragab
"Synergetic Reinforcement of Cu-11.0 wt.% Al Alloy with Al_2O_3 Nano-Sized Particles and Carbon Nanotubes CNTs"
Modern Approaches on Material Science
(2019) (2):186-194

E. A. Eid , M. Ragab
"Effect of individual and hybrid additions of Al2O3 NP and CNTs on the mechanical strengthening of aluminum-bronze alloy"
SN Applied Sciences
(2020) 2:186

M. M. Saadawy, E. A. Eid
"Preparation and electrochemical behavior of graphene-oxide/ zinc phosphate composite coating on as-cast Al-Zn-Mg alloy"
Synthetic Metals
I.F. 3.286
259 (2020): 116236

E. A. Eid, M. M. Sadawy
"Role of Effective Strain During Cold Rolling Deformation on Mechanical Characteristics of AISI 304 Steel"
Metals and Materials International
I. F. (3.642)
(2021) 27:4536–454

A. Reda , A. A. Eldaly , E.A. Eid
"Neutron/gamma radiation shielding characteristics and physical properties of (97.3-x)Pb-x Cd–2.7Ag alloys for nuclear radiation application"
Physica Scripta
96 (2021) 125321

E.A. Eid, M. M. Sadawy, A. M. Reda
"Computing the dynamic friction coefficient and evaluation of radiation shielding performance for AISI 304 stainless steel"
Materials Chemistry and Physics
277 (2022) 125446

A. N. Fouda, E.A. Eid
"Role of graphene oxide (GO) for enhancing the solidification rate and mechanical properties of Sn–6.5Zn–0.4 wt.% Cu Pb-free solder alloy."
Journal of Materials Science: Materials in Electronics
(2021) 27:4536–4549

Teaching Experience:

Courses taught.

- Solid state physics
- Materials Science physics
- Smart materials
- Physics of properties of matter
- Electricity and magnetism
- Physics of fluids
- Metallurgy physics
- Physics of wave and sound
- Physics of thermodynamic