

Curriculum Vitae

Name: MOHAMMED ABD ALLA ABD ELRAHMAN ATTIA

Address: EL LASELKEY, NEW MAADI, CAIRO, EGYPT

Marital status: Married

Nationality: Egyptian

Birth date: 1ST October 1980

Place of Birth: Helwan, Egypt

Position: Assistant Lecturer at Mechanical Engineering

Department - Faculty of Engineering

Helwan, Helwan University.

Cairo – Egypt

Phone: +20-2-27538998

+202014-4227398



E-mail: E_mabdalla@yahoo.com

E_mabdalla@hotmail.com

Qualification



2009

PHD Qualification



2003 - 2008

M.SC in Mechanical Engineering.

Helwan University, Faculty of Engineering



1997 - 2002

B.SC in Mechanical Engineering

Helwan University, Faculty of Engineering

4th Year Grade: Excellent (87 %) – Ranked as 1st Graduate.

Overall Grade: Very Good (80%) with Honor degree

Rank: The Second in a Department of 365 candidates

Project Grade: Excellent

Career Objective

Seeking a challenging position in ceramics and advanced Material engineering fields where I can utilize my skills through academic background and work experience

Graduation Project



Grinding CNC

Accuracy required in some products, 100% inspection, although the rejected part is very costly. For this purpose computer numerical control (CNC) grinding is utilized for this product such as spindle. Which use new programming methods. The new methods introduce many advantages over standard programming methods. Which introduce new control option on the other hand allow the user to generate or edit grinding program in few simple steps. The risk of programming mistake is reduced for this purpose generation of programs is more safely and easily, in general learning phase is reduced and the programs is automatically converted into an ISO G code.

M.Sc Research Subject



Advanced materials and CERAMICS

The work in the master was concentrated on enhancement of properties of hot pressing silicon nitride.

The aim of research

For various industrial and military applications, there is an increasing need for materials that are able to withstand temperature of 1400°C and more. Silicon nitride (Si_3N_4) ceramics have been identified as one of the most promising structural ceramics. This is due to its low density, overall excellent mechanical properties particularly at high temperatures, high thermal shock resistance and good oxidation resistance at high temperature. Silicon nitride is the ceramic material of choice for use in high temperature structural applications such as heat engine components. Silicon nitride components can be used at temperatures up to about 1400°C.

Work Experience



From 14-11-2002 to 15-3-2009

FACULTY OF ENGINEERING – HELWAN UNIVERSITY

DEMONSTRATOR



From 16-3-2009

FACULTY OF ENGINEERING – HELWAN UNIVERSITY

ASSISTANT LECTURER

Job Description

- Assist in teaching and laboratory tutorials.
- Supervision on workshop training programs.
- Teaching experience include the following courses:
 - 1- Production planning and control
 - 2- Production management
 - 3- Production system
 - 4- Industrial organization
 - 5- Material engineering.
 - 6- Composite materials
 - 7- Metallurgy

- 8- Automatic control
- 9- Computer integrated manufacturing.

Published Researches

- ✚ M. A. A. Attia, E. M. M. Ewais, A. A. Hegazy and R. K. Bordia., “Investigation of the effect of ZrO₂ and ZrO₂/Al₂O₃ Additions on the Hot-Pressing and Properties of Equimolecular Mixtures of α-& β-Si₃N₄”, Ceramic International journal. (2010), doi:10.1016/j.ceramint.2010.01.018.
- ✚ Accepted Abstract at Journal of the American Ceramic Society And Japan International Conference on Advanced Material

Languages

Language	Level
Arabic	Native
English	<p>Very Good</p> <p>Local TOFEL (450) “Certified”</p> <p>Level 302 General English Course (AUC) “Certified”</p>

Computer Skills

Software	Level
Internet Searching and Browsing	Excellent
Microsoft Office family	V.Good
AutoCAD	V.Good
Q Basic	Good

Reference Persons

- Pro. Dr. Abdelaziz Hegazy, Senior Lecturer, Mechanical Engineering Department, Helwan - Helwan University.
E-mail hegazyaa@hiscairo.com **Mobile** (+202) 0123160765
- Pro. Dr. Morcos Ghobrial, Head of Mechanical Engineering Department, Helwan - Helwan University.
E-mail morcosibrahim@yahoo.com **Mobile** (+202) 0129781038
- Associate. Pro. Dr. Azza Barakat, Associate Professor in Mechanical Engineering Department, Helwan - Helwan University.
E-mail barakatazza@hotmail.com **Mobile** (+202) 0129781038