



Personal Details:

Name: Mahmud Abid

Nationality: Libyan

Date of Birth: 1965

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Title - prof.

Education:

prof. Faculty engineering Tripoli university.

PhD: Manufacturing Engineering Center (UK Cardiff University 2009).

Felid of Study: Rapid Manufacturing (selective Laser Sintering).

MT: Master of Technology Production Engineering (Mechanical Technology Branch in Cooperation with the faculty of engineering, Al-Fatah University 2001.

B.C: Mechanical and Industrial Engineering, Faculty of Engineering Al-Fatah University Tripoli university 1989.

Training Courses:

Ms Office Dos, windows, excel and power point advanced Center of computer 1996.

Experienced: with the AutoCAD Software2D.

Comfortable with solid works Software.

Manufacturing practice in 47 companies 1991.

Welding fusion course: in international energy Foundation 1994.

Project Planning by using computer in MAM 1997.

Advanced Training course: for drafting drawing in Technical research center 1994.

Die Design in Advanced Center of Technology (ACT) 1998.

Dyna -Form and Fast- Form software courses; in UK 2002.

Partnership industrial skills for employability prepared by British Council UK, 2012.

Experience:

In Technical research center as a designer, 1991- 1992.

In Workshop of the Faculty engineering (welding section) 1994 - 1995.

In Design Department as a designer in ACT, 1997–2003.

Membership in industrial engineering community,2013

Membership in committee of preparation for machining specifications in 2013.

Positions:

Team leader in the Development & research in ACT, 2002.

Head of design department in ACT, 2003.

Head of the Development & research, in ACT 2004-2005.

Head of the Engineering Department in ACT 2009-2010.

Manager for tractor project, 2009- 2010.

Head of the Production Department in Higher Institute for Trainers Preparation, 2011.

Membership in the science committee in the Higher Institute for Trainers Preparation,2011.

Coordinator for engineering drawing groups 2012

Director of Higher Institute for Trainers Preparation, 2012.

Coordinator for engineering drawing groups in Tripoli University, 2014 and

Director of Advanced Center Technology, 2014 till 2026.

Head of the Engineering management Department in Tripoli university 2025-2026.

Membership in the science committee in the Libyan Advanced Center Technology,2012-2024.

Membership in the science committee in the Libyan Higher Technical Center for Training and Production,2022- 2026.

Head chair in the science committee in the Libyan Advanced Occupational Center for Welding technology,2024-2026.

Membership in the science committee in the Libyan Academy for postgraduate studies for establishment branch industrial management, 2024.

Membership in the science committee in the Libyan Academy for postgraduate studies for comprehensive exams, 2024 -2026.

Membership in the committee in the Tripoli University for PhD postgraduate studies, 2024.

Membership in the committee in the Refak University for, 2025-2026.

Teaching in undergraduate:

Lecturer in some of subjects in different places such as Faculty of Engineering and etc. (material properties, engineering drawing, metal forming, welding and casting, workshop, AutoCAD, mechanical drawing, and tools of production).

In postgraduate:

- Material selection and manufacturing of the parts for the marine engine, Six sigma and Operation research and project management and Engineering management Tripoli university.
- Project management.
- Six sigma.
- Rapid manufacturing. PhD program.

Supervisions

Project in process planning in Higher Institute for Trainers Preparation 2012.

Science Proof reading in faculty engineering marine department projects.

Study of using Local Steel Plates and Comparing with Marine Steel (HSLA) Effecting on the Building Ship 2021 master degree.

EFFECTIVE CORROSION CONTROL APPROACH FOR SUBSURFACE EQUIPMENT IN BOURI FIELD UTILIZING RISK-BASED ANALYSIS, 2022 master degree.

- اسباب تأخر تنفيذ مشروع خزان وقود اليزين بمدينة مصراته. جامعة طرابلس كلية الهندسة 2023.
- دراسة تحليلية لأسباب انحرافات التكلفة في مشاريع الترميم والبنية التحتية في المدينة القديمة طرابلس الاجازة العليا (الماجستير), 2024.
- أثر تطبيق الإدارة الإلكترونية في تحسين والتحكم بجودة الخدمات الصحية داخل المستشفيات في ليبيا دراسة ميدانية في مستشفى الليبي المالطي 2024.
- أثر تطبيق الإدارة الإلكترونية في تحسين والتحكم بجودة الخدمات الصحية داخل المستشفيات في ليبيا دراسة ميدانية في مستشفى الليبي المالطي 2024

Publish Work:

- Bending of sheet metal to estimate the blank length, 2004.
- Investigation on properties deterioration of GF (PA3200) powder in Laser Sintering Process, 2015.
- Processing of glass bead particular- filled functionally graded PA2200 EOS composites produced by LS processing.
- Effects of sintering processing parameters and benchmarking on the orange peel texture and microstructure of Polyamide PA3200 glass filled.
- Bending of sheet metal (st37) using 90 degrees to estimate blank dimension, 2015
- A study on Effect of Surface Finishing Processes on Surface Roughness of AISI D2 Tool Steel
- Modeling of hydrodynamic pressure in a combined geometry pressure unit for wire drawing.
- Influence of Surface Finishing Parameters on Wear Resistance of AISI D2 Tool Steel.
- Analysis and design of engraving machine movement.
- Effects of sintering processing parameters and benchmarking on the orange peel texture of Polyamide PA3200 glass filled.

- Multiple Response Optimization of (EDM) Parameters Utilizing Fuzzy Logic Integration.
- Effecting of temperature variation on gear tooth fault detection by using AE in helical gear, 2021.
- The effect of parameters and height of build on GF (PA3200) powder and the melt flow rate,2021.
- Investigation on properties deterioration of GF (PA3200) powder in laser sintering process,2021.
- Microstructure changes related mechanical properties of welding HSLA steel plates, 2022.
- Study the Effectiveness of the Parabolic Concentrating Solar Collector and Test the Efficiency of Its Performance, 2023.
- Improvement of Surface Quality by Reducing the Part's Surface Roughness Texture, 2024.
- Effect of the Various Cooling Conditions on Surface Quality and Cutting Tool Performance in Turning Processes of Tool Steel.2024.
- Investigation of Mechanical and Melt Flow Properties of Polyamide 12 Composites of Different Reinforcement Materials ,2024.

Examiner and Evaluator

- External Examiner In the higher institute for trainer's preparation, 2004.
- Evaluating; at least sixteen papers for the committee for technical education office, 2010-2014.
- Total productive maintenance TPM case studies from human factor and technology perspectives.
- Simulating of Backward extrusion process of nanostructure AL6082 materials.
- Finite element simulation of a doubled process of tube extrusion and wall thickness reduction.
- An investigation into current production challenges facing the Libyan cement industry and the need for innovative total productive maintenance (TPM) strategy.
- Case carburizing of steel-37, 2010.
- Optimum time for preventive maintenance, 2010.

- Compatibility between polyamide 6 and polycarbonate PC detected by SEM, 2010.
- The application of computer for evaluating cement production in Libya.
- Internal Examiner In the faculty engineering Tripoli university, 2004- 2024.

- دراسة تأثير طاقة الطرق على صلادة المعادن الحديد- النحاس – الألومونيوم).

- الأنتاج الأنظف في الصناعة وعلاقته بتحقيق التنمية المستدامة, 2009.

- تأثير المعالجة السطحية بالكربون (الكربنة الصلبة) على خواص سبائك الصلب, 2009.

- دراسة إنتاج سبيكة الألومونيوم (356) 2011.