

Magdalena Nowak

18 High Road, Middlesex, Uxbridge, UB8 2HL

Date of Birth: 23/02/1981 **Nationality:** Polish
Mobile Number: 00447799167420 **Email Address:** mag.nowak@yahoo.com
Full Clean Current Driving Licence

Objectives

A recent PhD student in Solidification Technology. Possessing excellent interpersonal and engineering skills.

Skills:

- Theoretical and practical knowledge about casting and solidification of Aluminium and Magnesium Alloys.
- SEM, TEM and optical microscopes operation and analyses
- Chemical and mechanical analyses of Aluminium and Magnesium alloys
- Knowledge about different types of manufacturing and casting processes
- Efficient and economical performance of Industrial systems ranging from manufacturing, finance, transport and services;
- Management and implementation of Projects and Operations under time and resource constraints.

Education

2008 **PhD in Solidification Technology** *Brunel University West London*

Area of research:

- Chemical and physical approach of grain size of Aluminium and Magnesium alloys

2007-2008 **Msc Advanced Manufacturing Systems** *Brunel University West London*

Modules included:

- Advanced Manufacturing Systems;
- Computer Aided Design and Manufacturing;
- Systems Modelling and Simulation;
- Global Manufacturing and Enterprise Systems;
- Operation Strategy, Quality and Reliability;
- Robotics and Manufacturing Automation;
- Micro Manufacturing;
- Engineering Project.

2000-2005 **Msc Management Engineering** *Silesian University of Technology*

Area of study:

Management and Production Engineering,

Specialization:

- Industrial management
- Computer-aided materials selection
- Intelligent Computing Systems.

Dissertation:

Use of Evolutionary algorithms in scheduling of the production line (A)/(5)

2004 *University Roma Tre, Roma* Scholarship Socrates /Erasmus

Work experience:

Jan 06 –present Play worker St. Helen's College, London

- Planned and supervised activities for 20 children age between 3&11
- Maintained good humour, tact and patience with colleagues and service users
- Involved myself with other play and youth workers, to create a strong team

Oct 2005- Dec 2005 Logistics Transport and Delivery S.A. Dzietrzkowice,

- Responsible of all the logistics aspects including distribution and warehouse management.
- Dealing with customers and workers

Jul 01 Training Junior manager assistant KWK Slask , Ruda Slaska, Poland

- Responsible for all aspects of account management including marketing and sales support and client relationship development.
- Develop skills in management and finance systems

Jul 02 Training junior engineer assistant KWK Wujek, Katowice, Poland

- Working in the process development of coal production
- Responsible for quality control and classification of coal

Additional Information

Languages:

English - fluently written and spoken, IELTS certificate

Italian – good written and spoken

French – basic written and spoken

German – basic written and spoken

Polish-mother language

Computer knowledge:

Windows, MS Office, MathCAD, SWZ Montaz, Taylor, SQL, Flish, Harms, Solid,

ProEngineer, MatLab, Cam, Arena- simulation software,

Msc.Patran, Genetyka etc.- 5 years working experience at University

Systems: ERP, MRP- 1 years working experience

Science knowledge-metallurgy, stress in materials, design, global manufacturing systems, robotics and control systems, simulations, Computer aid design and manufacturing, Micro manufacturing, nano materials, manufacturing of 4 c's (camshaft, crankshaft, cylinder block, cylinder head) ect.

Publications:

M.Nowak and N.Hari-Babu 'Novel grain refiner for Al-Si alloys' TMS2011, Supplement proceedings; v.2, p 291

Patent failing in process