JTMAE Reviewer Expertise Areas – Consolidated

<table>
<tr>
<td>Administration:
Accreditation
Program evaluation
Learner assessment
Certification
Leadership
Professional development
Women and technology
Recruitment and retention
Ethics
Legal issues
Higher education
Human relations</td>
<td>Graphics, Computer, and Information Technology:
Computer programming
Desktop publishing
Informational technology
Graphic communication
Visual communication / photography
Information security
Virtual reality</td>
<td>Energy, Electricity, and Transportation Systems:
Alternate energy
Automotive
Aviation technology
Biotechnology
Energy
Environmental
Electricity
Electronics</td>
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<td>Construction:
Cost estimation and modeling
Project management
Construction advances
Construction safety
Construction technology education</td>
<td rowspan="2">Manufacturing:
CAD
CAM
CIM
Machine design
Machine tools
Manufacturing
Materials and procedures
Materials testing
Metals
Metrology
NC/CNC
Plastics / polymers
Composite materials
Design
Production
Rapid prototyping
Welding</td>
<td rowspan="2">Management:
Lean/Six Sigma
Project management
Quality
Quality control
Supply chain management
Industrial distribution
Technology management
Statistical methods
Quality management
Statistical process control
Business process management</td>
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<td>Robotics, Automation, Instrumentation:
Artificial intelligence
PLC
Robotics
Neural networks
Virtual reality</td>
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<td>Safety:
Risk assessment
Hazard analysis
Safety management
Nanotechnology
Safety auditing
Safety education</td>
<td>Research:
Research methods
Statistical methods
Experimental design
Qualitative research
Measurement systems</td>
<td>Teaching Innovations:
Curriculum development
Distance education
Teamwork
Teaching philosophy
Student success</td>
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