






Departmental Staff and research Areas


Listed below is the academic staff members indicating the contact details, research areas and research links/profiles.


<p>PROF. PM MASHININI Associate Professor Head of Department</p> 	<p>Tel: 011 559 6136 / 6652</p> <p>Email: mmashinini@uj.ac.za</p> <p>Office No: JOB 7220B</p>	<p>Welding and Processing of Light metals: Development and utilization of friction welding and laser beam welding techniques for materials processing and joining e.g. Titanium alloys, Aluminium alloys. Laser Shock Peening and Additive Manufacturing.</p> <p>Development of Composite Materials: Development of new composite material, reinforcement of polymers with metallic powders for property improvement, compo-casting, 3-D printing/scanning.</p> <p>Advanced Machining processes: EDM/Wire-EDM, Laser Cutting, Abrasive Water Jet Machining, Accumulative Roll Bonding.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=56509529900</p> <p>GoogleScholar: https://scholar.google.co.za/citations?hl=en&user=D2ActaIAAAAJ&view_op=list_works&sortby=pubdate</p>
<p>DR. G MUYENGWA Senior Lecturer Deputy HoD</p> 	<p>Tel: 011 559 6381</p> <p>Email: gmuyengwa@uj.ac.za</p> <p>Office No: JOB 7238</p>	<p>Maintenance engineering Focusing on the development of maintenance strategy and implementation. Quality management systems Six Sigma, Lean manufacturing, FMECA</p> <p>Entrepreneurship Small and medium enterprises Business Models. Simulation and modeling-optimizing Manufacturing and service processes through the use of Simulation software such as ARENA and SIMIO.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=56015969300</p> <p>GoogleScholar: https://scholar.google.com/citations?hl=en&user=sA1U5DgAAAAJ</p>


<p>PROF. K GUPTA Associate Professor</p> 	<p>Tel: 011 559 9081</p> <p>Email: kgupta@uj.ac.za</p> <p>Office No: JOB 7225</p>	<p>Advanced Machining Processes (EDM/Wire-EDM, Laser Cutting, Abrasive Water Jet Machining)</p> <p>Sustainable/Green Machining (Sustainable Cooling & Lubrication- MQL, Coated and Textured Tool Based Machining, Machinability enhancement of DTM materials)</p> <p>Micro and Precision Machining Gear Technology (Advanced Machining of Miniature Gears and Sustainable Manufacturing of Gears) Engineering Education 4.0 (T&L).</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=8051442300</p> <p>GoogleScholar: https://scholar.google.com/citations?hl=en&user=mgj0B34AAAAJ</p>
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<p>PROF. LK TARTIBU Associate Professor</p> 	<p>Tel: 011 559 6476</p> <p>Email: ltartibu@uj.ac.za</p> <p>Office No: JOB 7229</p>	<p>Applied thermal engineering; Electricity generation and refrigeration using thermo-acoustic technology; Engineering optimization; artificial intelligence and Mechanical vibration.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=56376433600</p> <p>GoogleScholar: https://scholar.google.com/citations?hl=en&user=xdokjiwAAAAJ</p>
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<p>DR. SL GQIBANI Senior Lecturer</p> 	<p>Tel: 011 559 6795</p> <p>Email: samuelg@uj.ac.za</p> <p>Office No: JOB 7228</p>	<p>Engineering education</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57191895840</p>
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<p>MR. P STACHELHAUS Senior Lecturer</p> 	<p>Tel: 011 559 6142</p> <p>Email: peterst@uj.ac.za</p> <p>Office No: JOB 7232</p>	<p>High speed sensors/cameras, conveyor belts systems</p>	
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<p>MR. P SIMELANE Senior Lecturer</p> 	<p>Tel: 011 559 6140</p> <p>Email: psimelane@uj.ac.za</p> <p>Office No: JOB 7230</p>	<p>Polymer matrix composite, Development of composite materials & 3-D Printing of composite materials, Accumulative Roll Bonding.</p>	
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<p>DR. D KALLON Senior Lecturer</p> 	<p>Tel: 011 559 6941</p> <p>Email: dkallon@uj.ac.za</p> <p>Office No: JOB 7226</p>	<p>Industrial grinding mills, Nuclear Physics, Computational Mechanics, Acoustics Technologies, Mathematical Modelling, Analysis and Optimization, Vibration Analysis, Water Research and Engineering Education.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57196456023</p> <p>GoogleScholar: https://scholar.google.co.za/citations?hl=en&user=DRJTejgAAAAJ</p>
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<p>DR. OT LASEINDE Senior Lecturer</p> 	<p>Tel: 011 559 6137</p> <p>Email: otlaseinde@uj.ac.za</p> <p>Office No: JOB 7237</p>	<p>Virtual Reality, Augmented Reality, robotics & automatic control Research involving 3D simulation in unity, SACADA/PLC control systems, mini projects using Arduino/Raspberry</p> <p>Optimization & Performance improvement Alternative power system optimization (solar PV heat recovery systems), ground water system optimization, water facility modelling</p> <p>Engineering Teaching and Learning Virtual Learning and cyber physical learning platforms, higher education teaching alignment</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57207469290</p> <p>GoogleScholar: https://scholar.google.com/citations?hl=en&user=HqLSVwoAAAAJ</p>
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<p>DR. F CHIROMO Senior Lecturer</p> 	<p>Tel: 011 559 6447</p> <p>Email: fchiromo@uj.ac.za</p> <p>Office No: JOB 7244</p>	<p>Supply chain management, Quality management, Manufacturing systems & Business incubation.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57144588100</p> <p>GoogleScholar: https://scholar.google.co.za/citations?hl=en&user=jFIco6EAAAAJ</p>
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<p>DR. C ANGHEL Lecturer</p> 	<p>Tel: 011 559 6111</p> <p>Email: canghel@uj.ac.za</p> <p>Office No: JOB 7234</p>	<p>High precision machining and cutting</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57209283191</p>
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<p>DR. R MUTYAVAVIRE Lecturer</p> 	<p>Tel: 011 559 6270</p> <p>Email: rmutyavavire@uj.ac.za</p> <p>Office No: JOB 7240</p>	<p>Operations research, Decision support systems & Engineering education.</p>	
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<p>DR. M NKOSI Lecturer</p> 	<p>Tel: 011 559 6474</p> <p>Email: mnkosi@uj.ac.za</p> <p>Office No: JOB 7243</p>	<p>Human factors engineering, maintenance engineering, pressure vessels and ethics in engineering practice.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57209278726</p> <p>GoogleScholar: https://scholar.google.com/citations?hl=en&user=sPuPJukAAAAJ</p>
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<p>MR. E BAKAYA-KYAHURWA Lecturer</p> 	<p>Tel: 011 559 6017</p> <p>Email: ebakaya@uj.ac.za</p> <p>Office No: JOB 7237</p>	<p>Renewable energy, heating & cooling systems, thermal engineering.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=6507969506</p>
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<p>MR. AT BALOYI Lecturer</p> 	<p>Tel: 011 559 6489</p> <p>Email: amukelanib@uj.ac.za</p> <p>Office No: JOB 7233</p>	<p>Quality management, work study & productivity</p>	
<p>MR. P DUBE Lecturer</p> 	<p>Tel: 011 559 6024</p> <p>Email: partsond@uj.ac.za</p> <p>Office No: JOB 7242</p>	<p>Product modularization, Supply chain.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57193670411</p>
<p>MR. TV HASHE Lecturer</p> 	<p>Tel: 011 559 9067</p> <p>Email: vhashe@uj.ac.za</p> <p>Office No: JOB 7235</p>	<p>Hydrogen (Generation and Storage), Solar Energy (Cooling and Heating in buildings), Composite Materials, Reability Engineering, Engineering Management, Engine Air Filtrations, Mobile Hydraulics, Fluid Mechanics, Steam and Energy Savings in Production Systems.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57193061164</p> <p>GoogleScholar: https://scholar.google.co.za/citations?hl=en&user=cJ_U6isAAAAJ</p>


<p>MR. OJ KAELO Lecturer</p> 	<p>Tel: 011 559 9066</p> <p>Email: ojkaelo@uj.ac.za</p> <p>Office No: JOB 7223</p>	<p>Polymer matrix composite, Development of composite materials.</p>	
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<p>MR. T KUNENE Lecturer</p> 	<p>Tel: 011 559 6978</p> <p>Email: tkunene@uj.ac.za</p> <p>Office No: JOB 7245</p>	<p>1. Fluid mechanics, Atomic Layer Deposition, Micro fluids, Turbomachinery and Magnetohydrodynamics fluids (Liquid Metals), Multiphase, Fluid-Structure-Interactions. 2. Energy efficiency optimization and Energy Management</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57209285956</p> <p>GoogleScholar: https://scholar.google.co.za/citations?hl=en&user=wSal3WcAAAAJ</p>
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<p>MR. T MILLER Lecturer</p> 	<p>Tel: 011 559 6615</p> <p>Email: tmiller@uj.ac.za</p> <p>Office No: JOB 7247</p>	<p>1. High precision machining and cutting. 2. Arduino and Rasberry pie projects (sensors and motor control). 3. Renewable,Solar Energy and Heat Transfer. 4 Electrical Propulsion and Energy Storage. 5. Stress Analysis and CAD.</p>	
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<p>MR. D MUKHAWANA Lecturer</p> 	<p>Tel: 011 559 6642</p> <p>Email: mmukhawana@uj.ac.za</p> <p>Office No: JOB 7227</p>	<p>Material joining techniques: Friction welding, laser welding & processing, & Fatigue testing & residual stress measurements. Process optimization</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57214839058</p>
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<p>MS. BN MUSHWANA Lecturer</p> 	<p>Tel: 011 559 6916</p> <p>Email: bmushwana@uj.ac.za</p> <p>Office No: JOB 7241</p>	<p>Engineering Education</p>	
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<p>MS. H STEENKAMP Lecturer</p> 	<p>Tel: 011 559 6278</p> <p>Email: rsteenkamp@uj.ac.za</p> <p>Office No: JOB 7239</p>	<p>Engineering education; systems engineering, using industrial engineering to optimise non-manufacturing environments e.g. Hospitals, schools and municipalities.</p>	<p>Scopus: https://www.scopus.com/authid/detail.uri?authorId=57194851687</p>
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Non-Academic Staff Members

<p>MS. M. MAHOMED Senior Technician</p> 	<p>Tel: 011 559 6774</p> <p>Email: muhsinam@uj.ac.za</p> <p>Office No: JOB G305</p>	<p>Friction welding.</p>	
<p>MR. W. TLALI Senior Technician</p> 	<p>Tel: 011 559 6139</p> <p>Email: williamt@uj.ac.za</p> <p>Office No: JOB G313</p>		
<p>MR. N. MAIBELA Technician</p> 	<p>Tel: 011 559 6714</p> <p>Email: nicholasm@uj.ac.za</p> <p>Office No: JOB 1304</p>	<p>Industry 4.0 in Engineering Laboratories and Automation.</p>	

<p>MS. L.L. BOLILITYE Departmental Secretary</p> 	<p>Tel: 011 559 6136</p> <p>Email: llbolilitye@uj.ac.za</p> <p>Office No: JOB 7222</p>	<p>Business Administration.</p>	
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<p>MR. T. MASWANGATHI Lab Assistant</p> 	<p>Tel: 011 559 6139</p> <p>Office No: JOB G313</p>		
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<p>MS. S. MASHAO Refreshments Assistant</p> 	<p>Tel: 011 559 6136</p> <p>Office No: JOB 7222</p>		
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