



# Fakulteit Ingenieurswese Opedag

## Saterdag, 23 April 2022 @ 08:00 – 15:00

Opedag Program ( <i>geen kaartjie = geen toegang</i> )	Departementele Demonstrasies
<ul style="list-style-type: none"> <li> <b>COVID Nakoming en Kollekteer Inligtingspakket:</b>            Besoekers se kaartjie/temperatuur word geskandeer, en daarna ontvang hulle 'n Inligtingspakket by die markiestent. Besoekers word versoek om asb <i>15 minute voor die begin van elke sessie te arriveer:</i> <ul style="list-style-type: none"> <li>⇒ 08:00 – 10:00 (Sessie 1 – arriveer asb @ 07:45)</li> <li>⇒ 10:30 – 12:30 (Sessie 2 – arriveer asb @ 10:15)</li> <li>⇒ 13:00 – 15:00 (Sessie 3 – arriveer asb @ 12:45)</li> </ul> </li> <li> <b>Algemene Inligtingsessies:</b>            Algemene Inligtingsessies word deur die Dekaan en Vice-Dekane in die Algemene Ingenieursgebou aangebied:           <ul style="list-style-type: none"> <li>⇒ 08:15 – 08:30 (Sessie 1)</li> <li>⇒ 10:45 – 11:00 (Sessie 2)</li> <li>⇒ 13:15 – 13:30 (Sessie 3)</li> </ul> </li> <li> <b>Departementele Demonstrasies:</b>            Voorgraadse ingenieurstudente (Toergidse) verdeel die besoekers in kleiner groepies (maksimum van 50 besoekers per groep) en begelei hulle dan op 'n toer na een van die ingenieursdepartemente.           <ul style="list-style-type: none"> <li>⇒ 08:30 (Toergidse ontmoet besoekers by die wit markiestent)</li> <li>⇒ 11:00 (Toergidse ontmoet besoekers by die wit markiestent)</li> <li>⇒ 13:30 (Toergidse ontmoet besoekers by die wit markiestent)</li> </ul> </li> <li> <b>Minimum toelatingsvereistes vir BIng:</b> <ul style="list-style-type: none"> <li>⇒ Gemiddelde persentasie – ten minste 70%</li> <li>⇒ Wiskunde – ten minste 70%</li> <li>⇒ Fisiese Wetenskappe – ten minste 60%</li> </ul> </li> <li> <b>Sluitingsdatum vir ingenieurswese aansoeke:</b>            31 Julie 2022         </li> <li> <b>Aansoekprosedures / Beurse en Lenings / Studiegelde / Verblyfgelde:</b>  <a href="http://www.sun.ac.za/afrikaans/maties/tuis">http://www.sun.ac.za/afrikaans/maties/tuis</a>  <a href="http://www.eng.sun.ac.za/company-bursaries">http://www.eng.sun.ac.za/company-bursaries</a> </li> <li> <b>Ingenieurswese Jaarboek:</b>  <a href="http://www.sun.ac.za/afrikaans/faculty/Pages/Calendar.aspx">http://www.sun.ac.za/afrikaans/faculty/Pages/Calendar.aspx</a> </li> <li> <b>Ingenieurswese as 'n moontlike studierigting:</b>            Kontak Mnr August Engelbrecht – <a href="mailto:ingenieur@sun.ac.za">ingenieur@sun.ac.za</a> </li> </ul>	<p><b>BEDRYFS</b> (<a href="http://www.ie.sun.ac.za">http://www.ie.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Gevorderde Vervaardiging</li> <li>• Handelsreisigersprobleem &amp; Diskrete-gebeurtenis Simulasie</li> <li>• Stellenbosch Leerfabriek</li> <li>• V&amp;A Sessie</li> </ul> <p><b>CHEMIES</b> (<a href="http://process.sun.ac.za">http://process.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Kleurstof produksie met behulp van alge</li> <li>• Stedelike Mynbou</li> <li>• Vakuumbdistillasie</li> <li>• V&amp;A Sessie</li> </ul> <p><b>ELEKTRIES &amp; ELEKTRONIES</b> (<a href="http://www.ee.sun.ac.za">http://www.ee.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Masjienleer, 'IoT', Hernubare Energie</li> <li>• Natuurlike taalverwerking, Probabilistiese grafiese modelle, kinetiese beweging en volging</li> <li>• Satelliet- en Beheerstelsels, Onbemande Lugvoertuie</li> <li>• V&amp;A Sessie</li> </ul> <p><b>MEGANIES &amp; MEGATRONIES</b> (<a href="http://mecheng.sun.ac.za">http://mecheng.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Aerodinamiese Gedragstoetsing</li> <li>• Meganies</li> <li>• Megatronies</li> <li>• V&amp;A Sessie</li> </ul> <p><b>SIVIEL</b> (<a href="http://civeng.sun.ac.za">http://civeng.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Bergrivier Hidrouliese modelstudie</li> <li>• Kan ons 'n gebou afdruk?</li> <li>• Versnelde pad toetse deur die MMLS3 drakrag nabootser</li> <li>• V&amp;A Sessie</li> </ul>



# Faculty of Engineering Open Day

## Saturday, 23 April 2022 @ 08:00 – 15:00

Open Day Programme <i>(no ticket = no entry)</i>	Departmental Demonstrations
<ul style="list-style-type: none"> <li>• <b>COVID Compliance and Collect Information Pack:</b> Visitors' ticket/temperature is scanned, and thereafter they receive an Information Package at the marquee tent. Visitors are kindly requested to arrive <i>15 minutes before the start of each session</i>:               <ul style="list-style-type: none"> <li>⇒ 08:00 – 10:00 (Session 1 – please arrive @ 07:45)</li> <li>⇒ 10:30 – 12:30 (Session 2 – please arrive @ 10:15)</li> <li>⇒ 13:00 – 15:00 (Session 3 – please arrive @ 12:45)</li> </ul> </li> <li>• <b>General Information Sessions:</b> General Information Sessions are presented by the Dean and Vice-Deans in the General Engineering Building:               <ul style="list-style-type: none"> <li>⇒ 08:15 – 08:30 (Session 1)</li> <li>⇒ 10:45 – 11:00 (Session 2)</li> <li>⇒ 13:15 – 13:30 (Session 3)</li> </ul> </li> </ul>	<p style="text-align: center;"><b>CHEMICAL</b> (<a href="http://process.sun.ac.za">http://process.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Dye production using algae</li> <li>• Urban mining</li> <li>• Vacuum distillation</li> <li>• Q&amp;A Session</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Departmental Demonstrations:</b> Undergraduate engineering students (Tour Guides) divide the visitors into smaller groups (maximum of 50 visitors per group) and then accompany them on a tour to <u>one</u> of the engineering departments.               <ul style="list-style-type: none"> <li>⇒ 08:30 (Tour Guides meet visitors at the marquee tent)</li> <li>⇒ 11:00 (Tour Guides meet visitors at the marquee tent)</li> <li>⇒ 13:30 (Tour Guides meet visitors at the marquee tent)</li> </ul> </li> <li>• <b>Minimum admission requirements for BEng:</b> <ul style="list-style-type: none"> <li>⇒ Average percentage – at least 70%</li> <li>⇒ Mathematics – at least 70%</li> <li>⇒ Physical Sciences – at least 60%</li> </ul> </li> </ul>	<p style="text-align: center;"><b>CIVIL</b> (<a href="http://civeng.sun.ac.za">http://civeng.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Accelerated Pavement Testing using the MMLS3 Load Simulator</li> <li>• Berg River Hydraulic Model Study</li> <li>• Can we print a building?</li> <li>• Q&amp;A Session</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Closing date for engineering applications:</b> 31 July 2022</li> <li>• <b>Application Procedures / Bursaries and Loans / Study Fees / Accommodation Fees:</b> <a href="http://www.sun.ac.za/english/maties">http://www.sun.ac.za/english/maties</a> <a href="http://www.eng.sun.ac.za/company-bursaries">http://www.eng.sun.ac.za/company-bursaries</a></li> </ul>	<p style="text-align: center;"><b>ELECTRICAL &amp; ELECTRONIC</b> (<a href="http://www.ee.sun.ac.za">http://www.ee.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Machine Learning, IoT, Renewable Energy</li> <li>• Natural language processing, Probabilistic Graphical models, Kinetic motion and tracking</li> <li>• Satellite &amp; Control Systems, Unmanned Aerial Vehicles</li> <li>• Q&amp;A Session</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Engineering Calendar:</b> <a href="http://www.sun.ac.za/english/faculty/Pages/Calendar.aspx">http://www.sun.ac.za/english/faculty/Pages/Calendar.aspx</a></li> <li>• <b>Engineering as a possible field of study:</b> Contact Mr August Engelbrecht – <a href="mailto:engineer@sun.ac.za">engineer@sun.ac.za</a></li> </ul>	<p style="text-align: center;"><b>INDUSTRIAL</b> (<a href="http://www.ie.sun.ac.za">http://www.ie.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Advanced Manufacturing</li> <li>• Stellenbosch Learning Factory</li> <li>• Travelling Salesperson Problem &amp; Discrete-event Simulation</li> <li>• Q&amp;A Session</li> </ul>
	<p style="text-align: center;"><b>MECHANICAL &amp; MECHATRONIC</b> (<a href="http://mecheng.sun.ac.za">http://mecheng.sun.ac.za</a>)</p> <ul style="list-style-type: none"> <li>• Aerodynamic Behaviour Testing</li> <li>• Mechanical</li> <li>• Mechatronic</li> <li>• Q&amp;A Session</li> </ul>