

SOUTH AFRICAN
INSTRUMENTATION **AND**
CONTROL

Features 2010

<p>January Industry features</p> <p>Technology features</p> <p>Engineering soft skills</p>	<p>Mining, metals & quarrying Intelligent vehicle solutions</p> <p>Analytical (inline/online) PLC & PAC Pressure Electrical power & energy efficient systems IT in manufacturing</p> <p>Workforce development</p>
<p>February Industry features</p> <p>Technology features</p>	<p>Agriculture, food, beverage & pharmaceutical Packaging & bottling</p> <p>Control valves, actuators & pumps Level Scada & MES Robotics & mechatronics IT in manufacturing</p>
<p>March Industry features</p> <p>Technology features</p> <p>Engineering/soft skills</p>	<p>Chemicals & plastics Building management Data logging & recording Fieldbus & industrial networking Safety systems including hazardous area equipment Mass Presence sensors & vision systems IT in manufacturing</p> <p>C&I engineering software tools, utilities & simulation</p>
<p>April Industry features</p>	<p>Water, wastewater & waste Oil and gas exploration, recovery, transport, storage & processing</p>

Technology features	Batch & semi-continuous manufacturing Distributed & hybrid control systems Enclosures & cabinets Motion controls, drives & automation Test, measurement & calibration
May Industry features Technology features Engineering/soft skills	Mining, metals & quarrying Pulp & paper Condition monitoring & vibration Environmental Pneumatics & hydraulics Flow PLC & PAC IT in manufacturing Control system design Database architectures for control systems
June Industry features Technology features	Building management Power generation & distribution Protection, relays & switches Scada review Loop controllers (standalone, PLC, software, advanced control) Telemetry & wireless - including GIS/GPS systems Temperature IT in manufacturing
July Industry features Technology features Engineering/soft skills	Mining, metals & quarrying Non-fossil energy Cabling & accessories Electrical power & energy efficient systems Laboratory – including offline analytical Pressure Safety hardware & systems IT in manufacturing PLC and DAC programming
August Industry features Technology features	Agriculture, food, beverage & pharmaceutical Packaging & bottling Level Control valves, actuators & pumps Motion controls, drives & automation IT in manufacturing Test, measurement & calibration

<p>September</p> <p>Industry features</p> <p>Technology features</p> <p>Engineering/soft skills</p>	<p>Oil and gas exploration, recovery, transport, storage & processing Intelligent vehicle solutions</p> <p>Industrial computers & data acquisition Fieldbus & industrial networking Presence sensors & vision systems Telemetry & wireless - including GIS/GPS systems IT in manufacturing</p> <p>Health and safety in I&C engineering</p>
<p>October</p> <p>Industry features</p> <p>Technology features</p>	<p>Non-fossil energy (biofuels, solar, wind, hydro, wave, nuclear) Water, wastewater & waste</p> <p>Enclosures & cabinets Mass PLC & PAC Pneumatics & hydraulics Safety systems including hazardous area equipment Temperature IT in manufacturing</p>
<p>November</p> <p>Industry features</p> <p>Technology features</p> <p>Engineering/soft skills</p>	<p>Mining, metals & quarrying Power generation & distribution</p> <p>Environmental Flow Condition monitoring & vibration Scada & MES Test, measurement & calibration IT in manufacturing</p> <p>Engineering the HMI</p>
<p>December</p> <p>Industry features</p> <p>Technology features</p>	<p>Chemicals & plastics Construction</p> <p>Motion controls, drives & automation Operator interfaces & HMI Protection, switches & relays Telemetry & wireless - including GIS/GPS systems Temperature Electrical power & energy efficient systems IT in manufacturing</p>