## metrologia

	Volume 53 Number 3 June 2016
	TOPICAL REVIEW
R60	State space control of frequency standards Paul A Koppang
	FOCUS ISSUE PAPERS
S81	UTC(OP) based on LNE-SYRTE atomic fountain primary frequency standards G D Rovera, S Bize, B Chupin, J Guéna, Ph Laurent, P Rosenbusch, P Uhrich and M Abgrall
S89	<b>Detecting atomic clock frequency trends using an optimal stopping method</b> C Zucca, P Tavella and G Peskir
<b>S96</b>	Towards a standard for the dynamic measurement of pressure based on laser absorption spectroscopy K O Douglass and D A Olson
	PAPERS
918	Broadband fully automated digitally assisted coaxial bridge for high accuracy impedance ratio measurements Frédéric Overney, Felix Lüönd and Blaise Jeanneret
927	Validation of the probability density function for the calculated radiant power of synchrotron radiation according to the Schwinger formalism Roman Klein
933	Characterization of a self-calibrating, high-precision, stacked-stage, vertical dual-axis goniometer Marcus H Mendenhall, Albert Henins, Donald Windover and James P Cline
945	A reference radiance-meter system for thermodynamic temperature measurements S G R Salim, S Briaudeau, F Bourson, B Rougié, D Truong, O Kozlova, J-M Coutin and M Sadli
956	Design and metrological evaluation of the new 5 MN hexapod-shaped multicomponent build-up system Stefano Palumbo, Alessandro Germak, Fabrizio Mazzoleni, Sergio Desogus and Giulio Barbato
965	Force calibration using errors-in-variables regression and Monte Carlo uncertainty evaluation Thomas Bartel, Sara Stoudt and Antonio Possolo
981	Mid-infrared absolute spectral responsivity scale based on an absolute cryogenic radiometer and an optical parametric oscillator laser Kun Zhao, Xueshun Shi, Haidong Chen, Yulong Liu, Changming Liu, Kunfeng Chen, Ligong Li, Haiyong Gan and Chong Ma
986	<b>Correction of shaker flatness deviations in very low frequency primary accelerometer calibration</b> Th Bruns and S Gazioch
991	<b>On the units radian and cycle for the quantity plane angle</b> Ian Mills
998	<b>Implications of adopting plane angle as a base quantity in the SI</b> Paul Quincey and Richard J C Brown
	COMMENT
1003	The performance of GPS time and frequency transfer: comment on 'A detailed comparison of two continuous GPS carrier-phase time transfer techniques' Gérard Petit and Pascale Defraigne

(Continued on inside back cover)