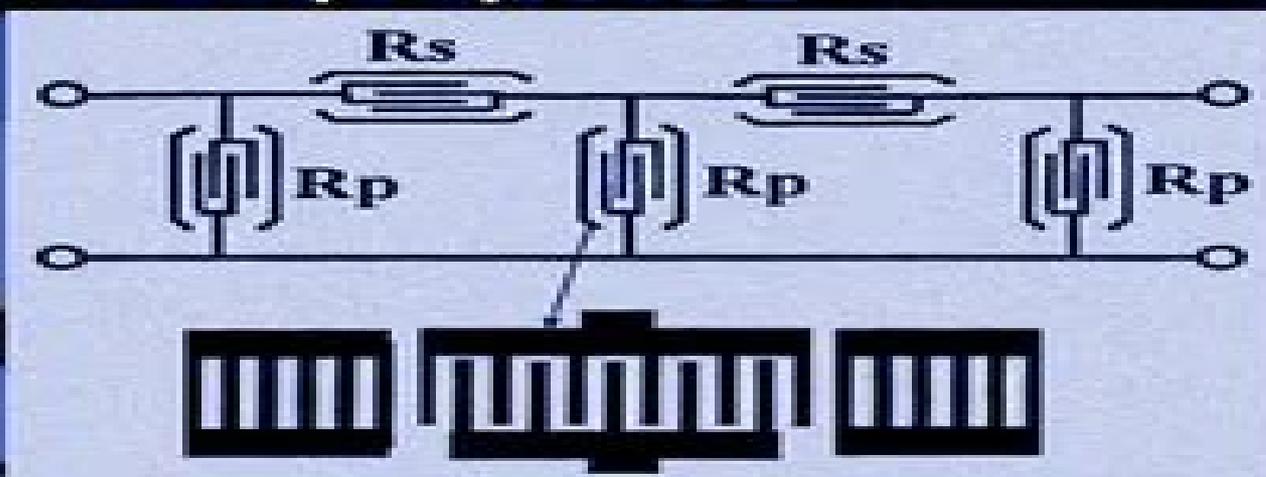


# ADVANCES IN SURFACE ACOUSTIC WAVE TECHNOLOGY, SYSTEMS AND APPLICATIONS (Vol.1)

Editors

Clemens C. W. Ruppel

Tor A. Fjeldly



# Advances In Surface Acoustic Wave Technology Systems And Applications

**G Psacharopoulos**



## **Advances In Surface Acoustic Wave Technology Systems And Applications:**

*Advances in Surface Acoustic Wave Technology, Systems and Applications* Clemens C. W. Ruppel, Tor A. Fjeldly, 2001

Surface acoustic wave SAW devices are recognized for their versatility and efficiency in controlling and processing electrical signals. This has resulted in a multitude of device concepts for a wide range of signal processing functions such as delay lines, filters, resonators, pulse compressors, convolvers, and many more. As SAW technology has found its way into mass market products such as TV receivers, pagers, keyless entry systems, and cellular phones, the production volume has risen to millions of devices produced every day. At the other end of the scale, there are specialized high performance signal processing SAW devices for satellite communication and military applications such as radar and electronic warfare. This volume together with Volume 1 presents an overview of recent advances in SAW technology systems and applications by some of the foremost researchers in this exciting field.

Contents: Coupling of Modes Analysis of SAW Devices V Plessky Theory and Applications of Green's Functions A R Baghai Wadji New Piezoelectric Substrates for SAW Devices J Kosinski Pseudo and High Velocity Pseudo SAWs M P da Cunha SAW Devices Beyond 5 GHz H Odagawa Wireless SAW Identification and Sensor Systems F Schmidt Interaction of Surface Acoustic Waves Electrons and Light A Wixforth

Readership: Graduate students, researchers, and academics in device and circuit design, as well as designers of mobile communications systems.

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