
Samsung 5 Series Ua40f5000

Laser Technology
David and Goliath

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BAILEE DAYTON

Laser Technology John Wiley & Sons

The acronym Laser is derived from Light Amplification by Stimulated Emission of Radiation. With the advent of the ruby laser in 1960, there has been tremendous research activity in developing novel, more versatile and more efficient laser sources or devices, as lasers applications are ubiquitous. Today, lasers are used in many areas of human endeavor and are routinely employed in a host of diverse fields: various branches of engineering, microelectronics, biomedical, medicine, dentistry, surgery, surface modification, to name just a few. In this book (containing 10 chapters) we have

focused on application of lasers in adhesion and related areas. The topics covered include: Topographical modification of polymers and metals by laser ablation to create superhydrophobic surfaces. Non-ablative laser surface modification. Laser surface modification to enhance adhesion. Laser surface engineering of materials to modulate their wetting behavior. Laser surface modification in dentistry. Laser polymer welding. Laser based adhesion testing technique to measure thin film-substrate interface toughness. Laser surface removal of hard thin ceramic coatings. Laser removal of particles from surfaces. Laser induced thin film debonding for micro-device fabrication applications.

David and Goliath

After thirteen years of legal appeals, David Bain walked out of prison in 2007, a free man. In 1994 five members of the Bain family were shot dead in their Dunedin home. David was soon arrested and charged with murdering his entire family. After reading the police case file the author started a campaign to free David, resulting in the Privy Council's decision that a miscarriage of justice had occurred at David's trial.

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