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| 1 | Andrew Bliss | 學術 | 工學院 | <http://eng.stust.edu.tw/en> | INTRODUCTION:  **Prospects**    The mission of the College of Engineering is to offer an environment where education and research can complement and enhance one another. We attempt to provide the highest quality of education by constantly improving course curricula, cultivating creative thinking, and enhancing international vision.    **Objectives**  1. To educate students with engineering, management, and systematic integration.  2. To develop engineers who are capable of solving real-world problems independently.  3. To develop engineering-related fields and produce outstanding engineers and researchers who can tackle the demands of national infrastructure and technology advancement.  4. To train individuals who are able to incorporate theories and practices in order to engage in the related research and development.  5. To foster prosperity based on the vision and the needs of the industries being worked with.  6. To focus on lifelong learning and social issues.  **Features**  1. Fabrication and measurement techniques of micro- and nano-electro-mechanical systems.  2. Intelligence control and automation systems.  3. Photovoltaic and LED engineering techniques.  4. Fermentation and cultivation techniques of high-class fungi, certification and safety evaluation of health-care products.  5. Bionics technology and creativity techniques.  6. The research and development of advanced vehicles and new energy.  7. The research and development of advanced communication and systematic chip techniques.  8. The research and development of cloud computing techniques.  9. The development of smart grid systems.  10. The development of specific and healthy mushroom spawn, genetic engineering, and improvement techniques of mushroom spawn.  11. The development of smart lightweight transporter.  12. The applications of digital signal processing, biomedical engineering and image processing.  13. The applications of nanotube, opto-transistor, and magnetic recording materials.  14. The equipment development of green energy industry.  15. The main technique development of medical treatment devices.  16. The major technique development of feature robotics.  FACULTY:  Faculty Name: Tsung-Yuan Kuo  Position: Professor & Dean of College of Engineering   Phone: (06)2533131#3000 Extension: 3554   Office: K213 Laboratory: R202   Research Interests： Laser Materials Processing Welding Technology Microstructure Analysis of Materials Mechanical Property Analysis of Materials    Website E-MAIL：tykuo@mail.stust.edu.tw  Name: Juing-Shian Chiou   Position: Professor &  Vice Dean of College of Engineering   Phone: (06)2533131#3002 Extension: 3339   Office: K213 Laboratory: B203   Research Interests： Automatic Control Intelligent Control Website E-mail: jschiou@mail.stust.edu.tw |
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