

Riwayat Hidup

Prof. Ikhwana Elfitri, ST, MT, Ph.D

Calon Rektor Unand 2023-2028



Pendidikan formal

Doktor, University of Surrey (UniS), Inggris

Department of Electronic Engineering, 2013

Magister, Institut Teknologi Bandung (ITB)

Jurusan Teknik Elektro (Sistem Informasi Telekomunikasi), 2002

Sarjana, Institut Teknologi Bandung (ITB)

Jurusan Teknik Elektro (Telekomunikasi), 1998



Kepemimpinan dan aktivitas kelembagaan internal UNAND

2020—2023 **Dekan Fakultas Teknik**, periode 2020-2024

2017—2023 **Penilai Jabatan Akademik (TPJA)**

2016—2020 **Sekretaris Senat Fakultas Teknik**

2013—2017 **Anggota Senat Universitas**, utusan Fakultas Teknik

2004—2008 **Ketua Jurusan Teknik Elektro**, Fakultas Teknik

2002—2004 **Kepala Laboratorium Telekomunikasi**



Kepemimpinan dan aktivitas lembaga atau organisasi profesi nasional/internasional

2018—2023 **Senior Member IEEE**,
Institute of Electrical and Electronics Engineers (IEEE), USA

2020—2023 **Member AES**, Audio Engineering Society (AES), USA

2021—2023 **Wakil Ketua Wilayah Barat**,
Forum Dekan Teknik Indonesia (FDTI)

2022—2023 **Komite Pendidikan dan Pelatihan Profesi**,
Pengurus Pusat Persatuan Insinyur Indonesia (PII)

2022—2023 **Asesor Akreditasi** LAM Teknik



Pembicara seminar internasional

- 2022 152nd **Audio Engineering** Society Convention (online)
- 2020 148th **Audio Engineering** Society Convention (online)
- 2019 146th **Audio Engineering** Soc. Convention, **Dublin, Ireland**
- 2018 **IEEE Region 10** Symposium (Tensymp), **Sydney, Australia**

- 2017 IEEE Global Conference on **Consumer Electronics, Nagoya, Japan**
- 2016 IEEE Workshop on **Multimedia Signal Processing, Montreal, Canada**
- 2016 World Congress on **Smart Materials, Singapore**
- 2015 CMOS **Emerging Technologies** Research Symposium, **Vancouver,**



Reviewer karya ilmiah internasional

2023—2023 **IEEE** Int. Conf. on **Consumer Electronics**, Las Vegas, USA

2022—2023 **Audio Engineering** Soc., **Helsinki**, Finland dan **New York**, USA

2016—2023 Int. Conf. on **Modern Circuits and System Technologies**
(MOCASST), **Thessaloniki**, Greece dan **Berlin**, Germany

2013—2015 Jurnal IET **Signal Processing**, United Kingdom

2012—2012 Jurnal IEEE Transaction on **Multimedia**, USA



Karya ilmiah internasional (pilihan)

2022 A. F. Faadhilah, I. Elfitri, Comparison of Audio Quality of Teleconferencing Applications Using Subjective Test, AES Convention, the Hague, Netherlands

2020 I. Elfitri, R. Y. Fauzan, Amirul Luthfi, Investigation on Balanced-Delay Filter-Bank for Encoding Multi-Channel Audio Signals, AES Virtual Vienna

2019 I. Elfitri, D. Nursyam, R. Kurnia, Baharuddin, MPEG Surround encoding with steganography feature for data hiding based on LSB method, AES Convention, Dublin, Ireland



Karya ilmiah internasional (pilihan)

2018 I. Elfitri, D. Nursyam, Fitrilina, R. Kurnia, Encoding multichannel audio for ultra HDTV based on spatial audio coding with optimization, IEEE Region Ten Symposium (Tensymp), Sydney, Australia

2017 A. Luthfi, H. D. Laksono, I. Elfitri, Rendering matrix extraction in MPEG SAOC encoder for delivery of multiple multi-channel audio objects, IEEE Global Conference on Consumer Electronics (GCCE), Nagoya, Japan

2017 R. Kurnia, M. Asmita, I. Elfitri, Object detection on hindered condition by using chain code-based angle detection, International Conference on Telecommunication and Communication Engineering (ICTCE), Osaka, Japan



Karya ilmiah internasional (pilihan)

2016 I. Elfitri, M. Sobirin, F. Rahman, R. Kurnia, Advanced residual coding for MPEG surround encoder, IEEE Multimedia Signal Processing (MMSP) Workshop, Montreal, QC, Canada

2016 I. Elfitri, Closed-Loop Spatial Audio Coding, in Mixed-Signal and Circuits, Editor: Thomas Noulis, CRC Press, Taylor & Francis Group, Boca Raton, Florida, USA

2015 I. Elfitri, H. D. Laksono, A. K. Permana, Balanced-delay filterbank for closed-loop spatial audio coding, International Seminar on Intelligent Technology and Its Applications (ISITIA), Surabaya, Indonesia



Karya ilmiah internasional (pilihan)

2014 I. Elfitri, X. Shi, A. Kondo, Analysis by Synthesis Spatial Audio Coding, IET Signal Processing, Vol. 8, Issue 1, pp. 30-38

2012 I. Elfitri, B. Gunel, A. Kondo, Spatial Audio Coding, UK Patent No. GB2485979A

2011 I. Elfitri, B. Gunel, A. Kondo, Multichannel Audio Coding Based on Analysis by Synthesis, Proceedings of the IEEE, Vol. 99, No. 4, pp. 657-670

