**Jahresbericht 2019**

# TK 87, Ultraschall

Vorsitz: Ernst Marlinghaus, Tägerwilen
Sekretariat CES: Kurt Würmli, Fehraltorf

Das TK 87 hat die folgenden Dokumente an zwei Sitzungen bearbeitet, zum Teil kommentiert und einer Abstimmung zugeführt:

87/738/NP
"Underwater Acoustics - Calibration of acoustic wave vector receivers in the frequency range 5 Hz to 10 kHz"
IEC/TS 63081:2019
"Ultrasonics - Methods for the characterization of the ultrasonic properties of materials"
87/736/RVC
"Underwater acoustics - Hydrophones - Calibration of hydrophones, Part 1: Procedures for free-field calibration"
87/735/RR
"Measurement of cavitation noise in ultrasonic baths and ultrasonic reactors"
87/734/MTG
"Meeting documents - Plenary meeting held in Shanghai, China on 25 October 2019"
87/724A/RVC
"Ultrasonics - Focusing transducers - Definitions and measurement methods for the transmitted fields"
EN IEC 63009:2019
"Ultrasonics - Physiotherapy systems - Field specifications and methods of measurement in the frequency range 20 kHz to 500 kHz"
87/728/INF
"Report of liaison between IEC TC87 and ISO TC43 SC3 (Underwater Acoustics), 2019"
"Underwater acoustics - Hydrophones - Calibration of hydrophones - Part 2: Procedures for low frequency pressure calibration"
87/725/RVDTS
"Ultrasonics - Methods for the characterisation of the ultrasonic properties of materials."
87/709A/CC
"Ultrasonics - Non-focusing pressure pulse sources - Characteristics of fields"
IEC/TS 63070:2019
"Ultrasonics - Field characterization - Infrared imaging techniques for determining temperature elevation in tissue-mimicking material and at the radiation surface of a transducer in still air"
87/712/CC
"Ultrasonics - Hydrophones - Part 1: Measurement and characterization of medical ultrasonic fields up to 40 MHz"
IEC/TS 63001:2019
"Measurement of cavitation noise in ultrasonic baths and ultrasonic reactors"
87/711/RR

"Ultrasonics - Hydrophones - Part 3: Properties of hydrophones for ultrasonic fields up to 40 MHz"
87/710/CC
"Ultrasonics - Real-time pulse-echo systems - Test procedures to determine performance specifications"

Die Sitzungen des Schweizerischen TK 87 und TK 62 wurden wie immer gemeinsam am selben Ort und Tag abgehalten. Wir suchen neue Mitglieder für die Mitarbeit an den Normen sowie für den Vorsitz im TK 87!

(E. M.)