About the "Fernseh- und kinotechnische Gesellschaft" FKTG e.V.

The FKTG e.V. is one of the oldest professional technology associations in Germany founded by two predecessor organizations, the German Cinema Technology Association (DKG, founded in 1920) and the Television Technology Association (FKT, founded in 1952).

The main objective of the FKTG is to provide information on developments for television and cinema technology to engineers as well as scientists, technologists, strategists or decision makers in the field of broadcast, television, media distribution, and cinema and to provide a platform for exchanging knowledge and experience. In recent years, the focus of the FKTG has widened to also include applications and business aspects of the ever changing media industry.
More than 110 supporting international companies and just under 2,000 individuals are members of the FKTG which is the largest network of its kind in the German-speaking areas of Europe.

The FKTG hosts conferences and technology workshops in different regions on a regular basis and supports further scientific education through its network of more than 50 universities and higher technical colleges in Germany, Austria and Switzerland. More information about FKTG and how to join is available at www.fktg.org.

Dr. Siegfried Foessel
President, FKTG e.V.

Dr. Siegfried Foessel obtained his postgraduate degree in Electronic Engineering in 1989. He started his professional career as a scientist at the Fraunhofer Institute for Integrated Circuits IIS in Erlangen and was project manager in the field of process automation, image processing systems and digital camera design. In 2000, he obtained his Ph.D. on image distribution technologies for multiprocessor systems. Since 2001 he has focused on projects for digital cinema and media technologies. He was responsible for projects like Arri D21, DCI certification test plan or JPEG2000 standardisation for Digital Cinema. Siegfried is member of various standardization bodies and organizations like SMPTE. In ISO SC29/JPEG he is chairing the systems group. Within the EDCF he is a member of the technical board. Since 2010, Siegfried is head of the department Moving Picture Technologies, spokesman of the Fraunhofer Alliance Digital Cinema and Chairman of the Board of FKTG.

Juergen Burghardt
CEO, FKTG e.V.

Juergen Burghardt is the owner of BCT Broadcast Consultancy & Training, Germany and a member of the advisory board for media at Technical University in Ilmenau, Thuringia, Germany.

Before that he held several management positions at Sony Professional in Europe, was Head of Key Account Management for the Broadcast and Professional Video Market in Germany, Senior Manager BC Strategy and Market Development, Senior Manager Broadcast Strategy, Head of Marketing, Product Group Manager, Senior Trainer and Application Engineer for professional audio recording studios.

His former professional activities include: Board member of FKTG and member of several other professional working groups and associations, assistant lecturer at RheinMain University of Applied Sciences in Wiesbaden for students in the field of media economics, assistant professor for video production technologies at Cologne University of Applied Sciences. In addition, he is the author of the book "Das Handbuch der professionellen Videorekorder".

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Program of the 27th FKTG Symposium (preliminary) May 9–11 2016 in Leipzig

Monday 05/09/2016 – Hall 1

10:30–12:30 Opening Ceremony

E1 Opening Ceremony – welcoming speeches by the mayor of Leipzig, MDR public broadcaster and MDM Mitteldeutsche Medienförderung GmbH
FKTG Honours and Awards

12:30–13:30 Break

13:30–15:30 Video over IP – Part 1

T1 Ethernet based live production standards comparison
Axon – Michael Schneider

T2 A/V over IT
Markus Berg – Institut für Rundfunktechnik

T3 Understanding SMPTE 2059 (PTP) IP-based Timing, with Application Studies and Results
N.N. – Imagine Communications

T4 PTP – timecode and synchronisation in future TV studios
Ralf Herrmann – Tektronix GmbH

15:30–16:00 Coffee break

16:00–18:00 Video over IP – Part 2

T5 Essential components of an IP Live production infrastructure
Claus Pfeifer – Sony Europe

T6 Smart IP audio video production: what are the true advantages?
Felix Krückels – Lawo AG

T7 Array microphones in an AVB network
Thaden Cohrs et al – TU Ilmenau

T8 Panel discussion "AV over IT – the future"
Chairman: Dr. Hans Hoffmann – EBU

18:00–20:00 Reception/Foyer Leipziger Kubus

19:00–20:30 FKTG general meeting (for members only) in Hall 1

Monday 05/09/2016 – Hall 2

16:00–18:00 Tutorial „IMF"

T9 Keynote: Netflix (requested)
RhineMain University of Applied Sciences
Fraunhofer IIS
Rohde & Schwarz DVS

18:00–20:00 Reception/Foyer Leipziger Kubus

19:00–20:30 FKTG general meeting (for members only) in Hall 1

Tuesday 05/10/2016 – Hall 1

09:00–10:30 Market overview – exhibition opening

T10 Keynote: Market perspectives "digital media and TV"
David Hancock

T11 Exhibitors' introductions

10:00–10:30 Coffee break/Exhibition

11:00–13:00 Production Networks

T12 Workflow-provisioned Networks
Larissa Görner – Net Insight AB

T13 TV production changes – next steps toward IT-based professionel media networks
Thomas Will – Cisco Systems GmbH

T14 Control and monitoring of modern broadcast and event IP networks
Thomas Altmann – Vidi GmbH

T15 Tracking Content
Stephan Geradts – SAM Snell Advanced Media

T16 From PC extenders to enterprise-wide KVM solutions – key factors for the introduction of remote work places
Daniel Prax – Black Box Deutschland GmbH

13:00–14:00 Coffee break/Exhibition

14:00–16:00 Workflows Part 1

T17 Keynote: workflows for broadcast
Radio Bremen (requested)

T17 Project management in the media business, a particularity?
Frank Fell-Bosenbeck – ZDF

T19 New approaches regading internal technology service providers
Dr. Christoph Kloth – ProSieben Sat.1 Produktion GmbH

T20 MediaPortal of RTL Media Group
Yvonne Thomas – arvato Systems

16:00–16:30 Coffee break/Exhibition

16:30–18:30 Workflows Part 2

T21 "Medien-OS of the furture?" – Avid MediaCentral Platform as an example
Werner Bauer – AVID Development GmbH

T22 InVid – In Video Veritas: Verification of user-generated content in TV/media editorial offices in the H2020-project InVid
Dominik Zimmermann, Rolf Fricke, Peter Deumlich – Condat AG

T23 Rule-based B2B multiformat distribution at France Médias Monde
Ulrich Voigt – IBM Deutschland GmbH

T24 Young members at FKTG e.V.
Discussion Panel

18:30–19:30 Reception/Foyer

20:00 Social evening at Zoo Leipzig

Tuesday 05/10/2016 – Hall 2

09:00–10:30 University Forum – Part 1

H1 Redundancy on demand: system and field trials – results
Fabian Schrieber – TU Braunschweig

H2 Tower Overlay over LTE-A+ (TOoL+) – Integration of dedicated LTE-broadcast channels in LTE mobile networks
Frieder Juretzek – TU Braunschweig

H3 Tower Overlay over LTE-A+ (TOoL+) – field trials in Paris and in Aosta valley
Stefan Ilsen, Frieder Juretzek, Lucca Richter, Daniel Rother – TU Braunschweig

10:00–10:30 Coffee break/Exhibition

11:00–13:00 University Forum – Part 2

H4 SDR Technologies for DOCSIS-3.1-measurements in TV cabel networks
Florian Jackisch – TU Braunschweig

H5 Internet of Things: Visualisation of the energy consumption in the IoT
Simon Walz – TU Braunschweig

H6 Concept of an UHD1 real time production system
Prof. Matthias Schnöll – Hochschule Anhalt

H7 Cloud-based processing of digital media using semantic technologies
Roman Holzhause – Hochschule Anhalt

13:00–14:00 Coffee break/Exhibition

14:00–15:00 University Forum – Part 3
H8 Broadband provision in the context of real needs
Sebastian Helleberg – Fachhochschule Südwestfalen BBCC. NRW
H9 Web application to generate digital master formats
Tristan Riedel – Hochschule Anhalt

15:00–16:00 360 Degree Immersion – Part 1
T25 360 Degree Immersion
(requested)
T26 Monitoring and authoring for next-generation audio formats – 3D audio and object-based audio
Peter Pörs – Jünger Audio

16:00–16:30 Coffee break/Exhibition

16:30–18:30 360 Degree Immersion – Part 2
T27 Immersive audio – from production to the senses
Andreas Ehret – Dolby
T28 3D audio for 360° video production
Michael Meier – Institut für Rundfunktechnik
T29 3D video analysis for immersive media and communication
Dr. Oliver Schreer, Wolfgang Waizenegger, Sascha Ebel, Ingo Feldmann – Fraunhofer Heinrich Hertz Institut
T30 Cloud-based 360° video playout
Louay Bassbouss – Fraunhofer Fokus
T31 High resolution 3D panorama camera and interactive streaming solutions for VR applications
Peter Kauff – Fraunhofer Heinrich-Hertz-Institut

18:30–19:30 Reception/Foyer

20:00 Social evening at Zoo Leipzig

Wednesday 05/11/2016 – Hall 1

09:00–10:30 Cross-media Distribution Part 1
T32 Keynote: Cross-media Distribution
European Commission (requested)
T33 From monolithic platforms to flexible cloud-based solutions – IPTV is changing
Peter Pogrzeba – Deutsche Telekom AG
T34 HbbTV 2.0 – the 2nd generation hybrid TV
Matteo Harutunian – Institut für Rundfunktechnik

10:00–10:30 Coffee break/Exhibition

11:00–13:00 Cross-media Distribution Part 2
T35 Multi-platform application toolkit - fast and easy creation of applications for interactive TVs and personal devices
Miggi Zwicklbauer – Fraunhofer Fokus
T36 End-to-end near-live streaming for second screens combining multi-camera capture, high-speed transport, and cloud video processing
N.N. – Aspera

T37 OTT distribution strategies: streaming formats & DRM
Stefan Pham – Fraunhofer-Institut für Offene Kommuni-ka-tionssysteme FOKUS
T38 Software Defined Radio – past, present, future
Daniel Rother – TU Braunschweig

13:00–14:00 Lunch break/Exhibition

14:00–16:00 HDR/HFR Part 1
T39 Keynote: HDR content mastering and UHD Premium Alliance
Michael Zink – Warner Bros.
T40 High Dynamic Range and Wide Colour Gamut – challenges for TV and cinema
Jan Fröhlich – Dolby
T41 High Dynamic Range in live productions
Klaus Weber – Grass Valley a Belden Brand

15:30–16:00 Coffee break/Exhibition

16:00–17:00 HDR/HFR Part 2
T42 HDR for everyone – even today's displays can profit from it!
Lucien Lenzen – Hochschule Rhein-Main
T43 Higher Frame Rate for UHD and HD?
Felix Oberhardt – Institut für Rundfunktechnik

17:00–17:30 Wrap up/Hall 1

Wednesday 05/11/2016 – Hall 2

09:00–10:30 Metadata
T44 Multimedia content annotations for rapid exploitation in multi-screen environments – MECANEX
Hans-Peter Richter – flying eye
T45 Improvement of subtitling through rich metadata: new kind of data for a better viewing experience
Alain Polgar – Ericsson Broadcast & Media Services
T46 Argos: data security compliant quality checks of streaming offerings
Sebastian Siepe – Institut für Rundfunktechnik

10:00–10:30 Coffee break/Exhibition

11:00–13:00 Archives
T47 The backup lie – what you always wanted to know about long-term archiving
Hans-Jörg Müsch – Fujifilm Recording Media GmbH
T48 Media archive content in the cloud
Guillaume Neveux – Oracle
T49 Building a modern archive for digital assets
Hossein ZiaShakeri – spectra logic
T50 Panel discussion: Metadata and archives

13:00–14:00 Lunch break/Exhibition

14:00–15:30 File QC
T51 File management in future service plattform
Alexander Heidler – Dimetis
T52 Automatic video file correction without transcoding – theory and practical applications
Jörg Houpert – Cube-Tec International GmbH/ Michael Blandfort – IVZ
T53 InVid Automatic VOD content quality measurement using reliable, reference based methods
Vikas Singhal – Venera Technologies

15:30–16:00 Coffee break/Exhibition

16:00–17:00 File QC/Processing
T54 File interchange formats de-mystified
Chris Brähler – netorium
T55 New-generation scalable motion processing from mobile to 4K and beyond
Stephan Geradts – SAM Snell Advanced Media

17:00–17:30 Wrap up/Hall 1