



Our Workshops at the prolight + sound

- ▶ Free participation
- ▶ No registration required



Wednesday+Friday		Thursday+Saturday	
09:45	Singing on stage Annette Marquard Nils Hahmann A	09:45	Miking a modern choir (live & in the studio) Rainer Stemmermann D
10:25	Recording vocals in the studio* Nils Hahmann Annette Marquard B	11:00	Recording acoustic rhythm guitars Peter Weihe I
11:30	Miking guitar amps in the studio Peter Weihe C	12:00	From live recording to band demo* Nils Hahmann J
12:30	Miking a modern choir (live & in the studio) Rainer Stemmermann D	12:30	Avoiding droning noises – Acoustics & studio design Peter Maier K
13:30	Optimal studio monitoring Do you hear what you get? ^E Andrew Goldberg E	13:15	Singing on stage Annette Marquard Nils Hahmann A
14:15	Digital microphones in the home recording studio* Nils Hahman F	13:55	Recording vocals in the studio* Nils Hahmann Annette Marquard B
14:45	Vocal technique for jazz, funk, rock & soul Annette Marquard G	15:00	Miking guitar amps in the studio Peter Weihe C
15:45	Finding the ideal mic of a lifetime? Rainer Stemmermann H	16:00	Digital microphones in the home recording studio* Nils Hahman F
16:30	Recording acoustic rhythm guitars Peter Weihe I	16:30	Vocal technique for jazz, funk, rock & soul Annette Marquard G
17:30	From live recording to band demo* Nils Hahmann J	17:30	Finding the ideal mic of a lifetime? Rainer Stemmermann H

* If desired, in English as well as German
^E Workshop in English



Annette Marquard
Singer, vocal coach & author

In addition to her classical vocal training, Annette Marquard is also a trained respiratory therapist. She is a lecturer for pop music, voice, speech and song and heads the vocal department of the Mannheim pop academy. She demonstrated her knowledge in practice in her band (support act for W. Houston, E. Ramazotti and E. John), and as background singer for Xavier Naidoo, Sabrina Settlur and Sarah Connor. She is author of the book "Vocal Practice".



Nils Hahmann
Audio engineer

Nils Hahmann records rock, jazz and classical music live and in the studio. Following studio work with music and radio plays, he worked as a product specialist for Digidesign. He has extensive experience with miking and high-end digital audio technology, and in addition to his activities as an audio engineer he now also works as a Pro Tools trainer and studio planner.



Peter Weihe
Guitar Player & Producer

and arranger for countless German and international top acts. For some time, in collaboration with Neumann, he has been holding several-day workshops on the theme of guitar sounds in the studio. At the exhibition workshops he will present the most important recipes for success in condensed form.

A

Singing on stage
Annette Marquard / Nils Hahmann

- Concert preparation – How do I plan and organize an appearance?
- Live performance – The singer and the stage
- The stage and its pitfalls – Preparation and problem avoidance
- Selecting the right mic
- What to do about feedback

B

Recording vokals in the studio*
Nils Hahmann / Annette Marquard

- Planning, preparation and objectives of a studio session
- Workflow – How can I obtain optimal results from the voice?
- Recording and its pitfalls
- Large or small diaphragm? Transistor or tube? Which microphone sounds better?
- How do I set up the microphone correctly?
- What is the function of the switches on the microphone?
- Which directional characteristic is the right one?
- Should I use compression at the time of recording? Which effects should be used at which time?
- Should I use filters at the time of recording?
- Expensive mics in the MP3 era?

C

Miking guitar amps - Experiences and anecdotes from day-to-day work in the studio
Peter Weihe

- Setting up the loudspeaker cabinet
- The acoustic environment of the loudspeaker
- Selecting and positioning the microphones
- Mixing different mics
- Why microphones and not simply amp modelling?
- Sound samples from well-known productions
- Technical and playing tricks

G

Vocal technique for jazz, funk, rock & soul
Annette Marquard

History of the voice in popular music

- From Neumen to patterns
- Song from ancient times to the present

Sustaining a tone

- Breathing techniques in pop music
- Impulse and condition

How is a tone generated?

- From the larynx to the microphone
- Anatomy and instrument science, healthy and unhealthy singing, vowels and consonants, intonation

Vocal sound – Sounds in pop music

- Changing the register and position – belting – speech level singing
- Effects with the voice

H

Finding the ideal mic of a lifetime?
Rainer Stemmermann

- Why we hear better than we see
- What should I pay attention to in a microphone comparison test?
- How can I tell if a microphone is suitable for me?
- How much should a microphone cost?
- What can and cannot be achieved by signal processing?
- What if I can only afford one microphone?

I

Recording acoustic rhythm guitars in the studio
Peter Weihe

What can be done when the sound is not optimal?

- Aspects to consider in selecting the instrument
- The role of playing technique
- Selecting the right mic (What do the frequency responses of a mic tell us?)
- The effect of room acoustics and the position of the guitar in the room

Selecting the pre-amp

A practical comparison of current microphones

The easiest way to achieve a good stereo recording

Workshops 2009

Hall 4.1 – Stand C 30



Rainer Stemmermann
Specialist in modern choral music

Rainer Stemmermann, a graduate singer, pianist and producer, is an expert in the field of choirs and choral productions for jazz, pop and gospel music. He has gained his expertise during many years of experience as a teacher, choir leader, choir coach, singer and producer. He is currently primarily involved in realizing an international choir project for Capital of Culture 2010, and in writing a book on the subject of choral improvisation.



Andrew Goldberg
Loudspeaker specialist

Andrew Goldberg has been involved with loudspeakers and high-end audio for the past two decades. His multifaceted skills and expertise extend from measuring studio rooms to holding seminars for industry professionals. Goldberg's workshops are clear and understandable enough for beginners, while providing valuable insights even for experienced pros.



Peter Maier
Acoustics expert

Peter Maier is the founder and manager of the studio planning office HMP Architekten + Ingenieure / concept A in Munich, which is responsible for the studio and sound room acoustics and design for many well-known studios such as Teldex, Bavaria Film, Blackbird Music, ARRI, Elektrofilm and many others. Mr. Maier is the author of the "studio acoustics" series in the trade journal Sound&Recording, and for more than ten years has been a lecturer in acoustics and studio design at the SAE Institute in Munich and Stuttgart.

Moderators

D

Miking a modern choir
(live & in the studio)
Rainer Stemmermann

- When should the sound of a choir on stage be amplified?
- Examples of different miking for choirs and vocal ensembles
- Possibilities and limitations of various solutions
- Implications for production planning
- Choir recording in the studio: What possibilities are helpful?
- Which type of miking for which sound? (various examples)
- Tips & tricks

E

Optimal studio monitoring
Do you hear what you get?^E
Andrew Goldberg

- Why are good monitors still important in the iPod era?
- Do I need a subwoofer?
- How should the loudspeakers be positioned and calibrated?
- Stereo: Why is 2.1 not the right solution?
- Multi-channel: What formats are usual?
- What standards and recommendations are there?
- How should the loudspeakers be set up?

F

Digital microphones in the home recording-studio*
Nils Hahmann

- How do I get the original Neumann sound onto my hard disk?
- What advantages are offered by a digital microphone for a home recording studio?
- What can the digital microphone TLM 103 D do?
- Does a digital microphone cause additional latency?
- How can I process the signal during recording? (precompression and filtering?)
- How can I integrate a digital microphone into my studio?

J

From live recording to band demo*
Nils Hahmann

- How can I create a good band demo at a reasonable cost?
- Can a demo be made from a live concert recording?
- Stereo miking, or the use of single microphones?
- Different stereo techniques: AB, XY and others
- Omnidirectional or cardioid?

K

Avoiding droning noises –
Acoustics and studio design
Peter Maier

- Why shouldn't I mix in my living room?
- Why do some rooms have "good" acoustics while others have "bad" acoustics?
- What can I do to improve the acoustics in my room?
- Can't I also achieve the same result with an EQ?
- What about multiple channels?