EICAR

The International Film School of Paris

SUMMER WORKSHOPS
MUSIC AND SOUND

SOUND DESIGN WITH REAKTOR 5

Develop your own structures for musical composition and sound design

Presentation:

- Reaktor is a comprehensive sound design environment used to generate an unlimited set of sound generators and treatment tools used for production, musical interpretation and sound design.
- Participants will gain basic knowledge in signal treatment and sound synthesis and a working understanding of Reaktor 5, its library instruments and modules.
- After the workshop, participants will be able to work on their own projects.
- The worshop combines theoretical presentations with "hands-on" practical exercices.

Participants:

- Musicians, composers, arrangers, sound designers, DJ and sound engineers.
- Prerequisite : basic knowledge in computer music. Basic English.

Faculty:

- The workshop is directed by a senior Faculty member with a specialization in Reaktor.

Equipment:

- APPLE Macintosh (one station per attendant), Keyboards, MIDI controllers, Video projector

Fee: 1050 € inclusive of taxes

Participants cater for their own travel and lodging.

On completion of the workshop, participants will be provided with a certificate of attendance.

Contact:

Robert BAQUIAST
Tel.: 00 33 (0)1 49 98 11 11
Fax: 00 33 (0)1 49 46 00 07
inquiries@eicar.fr

Dates and location:

September, 7th to 11th at the school
Monday to Friday from 9.30 to 18.00

Syllabus:

- **Day 1**
  AM:
  Audio digital, MIDI protocol
  Tools and software's main functions
  PM:
  Reaktors library
- **Day 2**
  AM:
  Additive Synthesis. Subtractive Synthesis
  Practice
  PM:
  Synthesis by modulation (frequency, amplitude)
  Synthesis by wave shaping
  Practice
- **Day 3**
  AM:
  Synthesis with physic model
  Practice
  PM:
  Sequence generating: step sequencer and event table
  Practice
- **Day 4**
  AM:
  Sampling and re-synthesis. Granular Synthesis
  Sample decomposition in slices
  Random Process
  Practice
  PM:
  Core cell level programming
  Practice
- **Day 5**
  AM:
  Sound treatment: delay lines, transposition, reverberation
  Practice
  PM:
  Gestural control. Interfaces and instrumental execution. Sets modes implementation
  Conclusion

  Evaluation – Wrap up

December, 2008