

# Jean-Michel COUTURIER

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<http://www.blueyeti.fr>

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## EDUCATION

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- 2001-2004* - **Ph.D. ATIAM** (Acoustics, Signal Processing and Computer Science applied to Music), Aix-Marseille II University, CNRS-LMA, Marseille, France. Awarded December 7th, 2005, with honours (Mention Très Honorable). Reviewers: Myriam Desainte-Catherine, Sylvie Gibet, Yves Guiard,
- 2000-2001* - **DEA** (master) of **Acoustics** at the Aix-Marseille II University.
- 1997-2000* - **Ecole Supérieure d'Ingénieurs de Marseille** (E.S.I.M.), engineering school, with specialization in electronic and computer science, France.

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## PROFESSIONAL EXPERIENCE

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- 2005* - **Co-fonder of Blue Yeti**, an innovative company specialised in interactive systems: design of original products and devices that use new interaction modalities.
- 2001 – 2004* - **Thesis at CNRS-LMA** (Laboratoire de Mécanique et d'Acoustique of Marseille), Computer Music team. PhD thesis title: **Advanced use of graphical interfaces for the gestural control of sound processes**.
- Study and experiments of the use of graphical interfaces in digital musical instruments. Use of Computer-Human Interaction techniques into the computer music area.
  - Design of specific graphical interfaces and sound algorithms controlled with different gestural controllers.
  - Development of a touchscreen-like device with multiple pointing.
  - Design of computer programs available on Internet.
  - Design of digital musical instruments, used in live performances.
- Jan – June 2001* - **DEA training period at CNRS-LMA**: Experimentation of a new sound synthesis process: the Scanned Synthesis. Implementation in Matlab, Max/MSP with real time control of synthesis parameters with gestural controllers. Design of a Scanned Synthesis digital musical instrument.
- Mar – Sept 2000* - **ESIM training period at CEA** (Commissariat à l'Energie Atomique), GENEC (Groupement ENÉrgétique de Cadarache, France), photovoltaic modules branch: renovation of the meteorological platform: design of a calibration device, databases, design of an ephemerid software.

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## TEACHING EXPERIENCE

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- Jan 2006* Ecole de Design Nantes Atlantique, Hypermedia technic seminary, second year student: design of interactive devices.
- Feb 2005 -2006* Master of science "Mécanique, Physique et Modélisation", Acoustic speciality, EGIM, Marseille: **Course on "Gestural control of sound processes"**.
- Oct 2004* IUP "Métiers de l'image et du Son", Aubagne, France, **Course on "Gestural control in computer music"**.
- Sept 98 to 03* - ESIM, Marseille, first year students: **Practical courses on creativity**. Teaching

(courses and practical works) of techniques used to find solutions and new ideas.

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#### OTHER INTERESTS

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- Music* - Composition in experimental electronic music. First prize in electro-acoustic composition at the music conservatory of Marseille. Involvement in numerous concerts and musical events.
- Associative* - Member of the Administration Council of AFIM (French association of computer music).  
- Member of the program committee of the international conference NIME (New Interfaces for Musical Expression).
- Sports-hobbies* - Mountain hiking, mountain bike, DIY, juggling.
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- Programming* - Max/MSP – Jitter, C / C++ / Visual C++, html, php, SQL, Matlab.
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- Languages* - **French:** native language, **English:** fluent, **Spanish:** basic.