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François Severin – SUPELEC Engineer - Civil Engineer from the Faculté Polytechnique de Mons

Personal information

- Unmarried
 - Nationality : belgian
 - Birthdate : 10th January 1980
- Age : 25

Working experience

Feb. 2004 – Nov. 2005 : Researcher at the Faculte Polytechnique de Mons in the Circuits Theory and Signal Processing Lab, under the direction of Prof. Thierry Dutoit.
Project : "Optimized Technological Speech Synthesis" :
Research and development of "voice quality" measure and modification tools for speech synthesis that takes into account the speech dynamics.

Internships

July - Sept. 2002 : acoustical research office "Bien Entendu" (Paris, France)
Engineer internship : *development of informatic tools for acoustical measures.*

July 2001 : "Jemappes Steel Center", steel industry (Jemappes, Belgique)
Workman internship : *care service - mechanical and electrical repairs on the machines.*

Education

2002-2003 : **Faculté Polytechnique de Mons** (Belgique)
Last year of Electrical Civil Engineer ; speciality : "Multimedia".
Academic report : denoising in Automatic Speech Recognition.

2000-2002 : **Ecole Supérieure d'Electricité (Supélec)** of Gif-sur-Yvette (France)
to obtain a double diploma (TIME - Top Industrial Managers in Europe - network).
First and second year of Electrical Engineering student.

1998-2000 : **Faculté Polytechnique de Mons**
Civil Engineer Candidate
Grade : Distinction.

1992-1998 : diplôme de l'enseignement secondaire
Course choices : latin - greek - mathematics.

Professional education

Summer schools : *"Building Synthetic Voices : Theory and Practice in Producing Spoken Output"*, by Dr. A.W. Black, 30th May - 3rd June 2005, Universitat Politecnica de Catalunya, Barcelone, Spain.

"Non Linear Speech Processing : Algorithms and Analysis", 13th - 18th Sept. 2004, Vietri Sul Mare, Italy.

Publications

B. Bozkurt, F. Severin, T. Dutoit, *An Algorithm to Estimate Anticausal Glottal Flow Component from Speech Signals*, in *Advances in Nonlinear Speech Modeling and Applications*, LCNS, Springer Verlag (2005).

F. Severin, B. Bozkurt, T. Dutoit, *HNR Extraction in Voiced Speech, Oriented towards Voice Quality Analysis*, in *Proc. EUSIPCO 2005, 4-8th September, Antalya, Turkey* (accepted for publication).

Languages

- French : mother tongue.
- English : very fluent - Cambridge First Certificate in English (1998) - daily practised with foreign colleagues.
- German : middle level.
- Dutch : middle level.

Informatics

- Languages : C, C++, Perl, Pascal.
- Development : Matlab, Labview.
- O.S. : Windows, Linux, Mac.

Associative activities

- 2000-2002 : member (Vice-President) of the "Forum Social" (now "Esperance en Beton"): *students association in Supelec organising the "Bouge la science !" day, where 300 students and 300 school boys from "Priority Education Zones" of the outskirts of Paris, meet around the sciences in an amusing way.*
- 2000-2003 : unpaid school help in the outskirts of Paris and Mons.
- 2004-2005 : scouting : leader of the "Pionniers" section of the scouts of Binche (Belgium).

Hobbies and personal interests

- Badminton and rugby in a club.
- Music : singing (choral) and amateur piano.