



Participant Profile

for the
Turkish-German Strategy Workshop 2006
TÜBİTAK Marmara Research Center,
Istanbul- Gebze Turkey
13 – 15 December 2006



International Bureau (IB)
of the Federal Ministry of
Education and Research
(BMBF)

1. Contact details and personal information

Name:	Tolga Çiloğlu	Phone:	+90 312 210 2352
Role/function¹:	Assoc. Prof. Dr.	Fax:	+90 312 210 2304
Institution:	Middle East Technical University	E-Mail:	ciltolga@metu.edu.tr
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¹ **Role/function** e.g. working group leader, managing director, postdoc, PhD etc.

² **Organisation type** e.g. university, research institution, small and medium enterprise (SME), industry etc.

Working Group:	<input type="checkbox"/> 1 Material Technologies <input type="checkbox"/> 2 Biotechnology, Genomics and Food <input type="checkbox"/> 3 Energy <input checked="" type="checkbox"/> 4 Information and Communication Technologies <input type="checkbox"/> 5 Environmental Protection, Climate Change and Sustainable Development
Areas of activity:	<input checked="" type="checkbox"/> research <input checked="" type="checkbox"/> technology development <input type="checkbox"/> demonstration <input type="checkbox"/> training <input type="checkbox"/> dissemination <input type="checkbox"/> other:
Keywords characterising your area of research:	Please choose the appropriate key words (max. 5) from the following list: http://www.cordis.lu/fp6/keywords 06.03.04.03.00.00.00 Signal processing 06.03.04.05.00.00.00 Speech processing 06.02.01.01.07.03.00 Man/machine interface 06.02.12.00.00.00.00 Electronic engineering



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**Expertise,
technologies and
infrastructures
available in your
institution:**

Research activities / expertise: Speech recognition, speech modelling, speech enhancement, speaker recognition, active noise control, digital filter design

Methods: classification, mathematical modelling, optimization, statistical methods

Key technologies: speech recognition, active noise control

Infrastructures: recording booth and equipment, speech research lab.

Key publications:

O. Ozturk, T. Ciloglu, "Segmental Duration Modeling in Turkish INTERSPEECH 2006 – ICSLP

B. Örtten A. A. Alatan, T. Çiloğlu, "Recognizing Events in an Automated Surveillance System", Lecture Notes in Computer Science, Vol 4105/2006, p.p. 434-441.

T. Çiloğlu, "New Initialization Methods for Discrete Coefficient FIR Filter Design with Coefficient Scaling and the use of Scale Factor in Design Process", IEEE. Trans. on Signal Proc., Volume 54, Issue 2, Feb. 2006 Page(s):796 – 800

Tokatlı, Tolga Çiloğlu, "Active Noise Controlled Headphone with a C5416 DSK", GlobalDSP Magazine, September 2004.

Hakan Altınçay, Cem Ergün and Tolga Çiloğlu, "Using MPEG-7 Audio Descriptors for Speaker Verification", 10th International Conference on Speech and Computing SPECOM 2005, Patras, Greece, 17-19 October 2005

T. Çiloğlu, D. Acar and A. Tokatlı, "OrienTel-Turkish: Telephone Speech Database Description and Notes on the Experience", ICSLP 2004.

K. Hacıoğlu, B. Pellom, T. Çiloğlu, Ö. Öztürk, M. Kurimo, M. Creutz, "On Lexicon Creation for Turkish LVCSR", Eurospeech 2003, Geneva, Switzerland, September, 2003.

Ö. Salor, B. Pellom, T. Çiloğlu, K. Hacıoğlu, M. Demirekler, "New Corpora and Speech Recognition Tools for Turkish Speech Research", Proceedings of 7th International Conference on Spoken Language Processing (ICSLP 2002) September, 16-20, 2002, Denver, Colorado, USA.



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2. Past and present research collaborations

Are you familiar with the European Framework Programme?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> with Framework Programme 5 <input checked="" type="checkbox"/> with Framework Programme 6 <input type="checkbox"/> with Framework Programme 7
EU-projects you are involved in: Past projects Present projects	Programme title / contract number / title / acronym / your function (coordinator / partner / contractor) OrienTel contractor of SIEMENS AG and ELDA
Other international collaborations:	Member of European Center of Excellence for Speech synthesis (ECESS) CSLR Univ. Colorado, Boulder
Name(s) and contact details of potential partners:	If you would like to suggest the participation of particular partners from the partner country based on existing contacts or collaboration experience, you are welcome to indicate their names and contact details below:

3. Presentation at the Workshop

I will give a presentation at the workshop (approx. 10 min.) to present my institution, my expertise, and my collaboration interests. The contents of my presentations is summarised below (max. 1 page).

I will briefly describe the work done under the following topics of our research

- Speech recognition
- Speech modelling
- Speech enhancement
- Speaker recognition
- Active noise control
- Filter design

I agree with the publication of my data on the Workshop website!

PLEASE FILL IN THIS FORM **UNTIL 22 SEPT. 2006** AND RETURN IT TO:

Internationales Buero des BMBF
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Christian.schache@dlr.de

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