



# Curriculum Vitæ



June 22, 2004

## 1 Personal Data

<b>Name :</b>	Peter Torma
<b>Born :</b>	Győr, 03/19/77, HUNGARY
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## 2 Education

- **2001-** : PhD school @ Eötvös Lóránd University, Budapest, Hungary
- **1995-2001** : Computer Science and Mathematics major @ Eötvös Lóránd University
- **1999** : Katholieke Universit t Nijmegen, Nijmegen, Holland
- **1998** : Beloit College, Beloit, Wisconsin, USA
- **1995-2000** : Member of Eötvös J zsef Collegium

## 3 Degrees and Awards

- Pro Scientia Award from the Hungarian National Academy(2001)  
*This award is given every other year to the best 3 student researchers.*
- Best Project Award at 10th Summer School on Image Processing(2002)
- M.Sc. in Computer Science and Mathematics with distinction(2001)
- 1st place on the Hungarian Student Research Conference(2001)
- ACM Programming Contest North American Final(1999)
- 2nd place on the Hungarian Student Research Conference(1999)
- 5th place on the Hungarian National Mathematics Competition (1995 high-school)

## 4 Professional Experience

- **2002-** : Tateyama Ltd. as a researcher
- **1998-2002** : Mindmaker Ltd. as a researcher

## 5 Projects

For demos and more detail see: <http://download.tateyama.hu/~tyus/index.html>.

1. **European License Plate Localization and Recognition(2004-)** : @ Tateyama Ltd
2. **Multi-view Face Detection and Tracking(2003-)**: @ Tateyama Ltd.
3. **Face Recognition(2004-)**: with Botond Szatmáry @ Tateyama Ltd.
4. **Visual Object Tracking(1999-)** : PhD topic with several industrial experiments. Supervisor: Csaba Szepesvári.
5. **Japanese License Plate Localization and Recognition(2002)**: @ Tateyama Ltd.
6. **Low-level speech synthesization(2001)**: @ Mindmaker Ltd. Supervisor: Csaba Szepesvári.
7. **Facial gesture recognition on video images(1998)** : @ Mindmaker Ltd. Supervisors: Lőrincz András and Szepesvári Csaba.
8. **Modelling the human visual cortex(1997)** : Won 2nd Place on the Hungarian Student Research Conference. Supervisors: Lőrincz András and Aszalós Péter.

For demos and more detail see: <http://download.tateyama.hu/~tyus/cv.html>.

## 6 Publications

1. P. Torma and Cs. Szepesvri. Enhancing Particle Filters using Local Likelihood Sampling. *ECCV 2004, Prague. In Lecture Notes in Computer Science, Springer. pp.:16-28*
2. P. Torma and Cs. Szepesvári. Sequential Importance Sampling for Visual Tracking Reconsidered. *AI and Statistics, Key West, Florida, USA, 2003.*
3. P. Torma and Cs. Szepesvri. Combining Local Search, Neural Networks and Particle Filters to Achieve Fast and Reliable Contour Tracking. *2003 IEEE International Symposium on Intelligent Signal Processing, Budapest, Hungary*
4. P. Torma and Cs. Szepesvári. Towards Facial Pose Tracking. *In Proc. First Hungarian Computer Graphics and Geometry Conference Budapest, Hungary, 2002, pages 10-16.*
5. P. Torma and Cs. Szepesvári. Efficient Object Tracking in Video Sequences by means of LS-N-IPS. *In Proc. ISAP'01 Pula, Croatia, 2001, pages 277-282.*
6. P. Torma and Cs. Szepesvári. LS-N-IPS: An Improvement of Particle Filters by means of Local Search. *Non-linear Control Systems NOLCOS2000, 2000 St. Petersburg, Russia.*
7. Improving Monte Carlo Bayesian Filtering by Means of Local Search: Theory and Applications in Visual Tracking. Supervisor: Csaba Szepesvári  
*M.Sc Thesis, Eötvös Lóránd University, Budapest, 2000.*
8. A. Groszofsky, S. Adkins, R. Bastholm, L. Meyer, L. Krueger, J. Meyer, and P. Torma. Tooth Color: Effects on Judgements of Attractiveness and Age. *Perceptual and Motor Skills, 2003. pp:43-48.*