

# **Report on Activities of IAPR TC-10**

**2001-2002**

Reporter:

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## **Overview**

1. Areas of Interest
  2. Recap of the past two years
  3. Plans for the future
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### **1. Areas of Interest**

- Raster-to-vector techniques
  - Recognition of graphical primitives, shapes and symbols
  - Analysis and interpretation of engineering drawings, logic diagrams, maps, diagrams, charts, etc.
  - Analysis of line drawings, tables, forms etc.
  - Graphics-based information retrieval
  - Performance evaluation
  - Complete systems
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#### **1.1 TC-10 Web Site**

<http://www.iapr-tc10.or.kr/>

( web hosting service with registered domain name )

#### **Contents:**

- Information on activities of TC-10
- Information on GREC workshops and contests
- LNCS Publications
- Pointers to related conferences
- Archives of TC-10 News
- List of commercial products
- BBS for information announcement

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## **1.2 TC-10 Mailing List**

- 260 members worldwide
- TC-10 news is distributed once three or four months
- includes information about upcoming conferences and workshops and other news of interest to members
- TC-10 news is archived on the web site
- BBS system for uploading information by members is introduced.

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## **2. Recap of the past two years**

### **2.1 GREC2001, Kingston, Ontario, Canada**

- Held September 7-8, 2001, at Holiday Inn Hotel, Kingston, Ontario, Canada
- Co-chairs Dorothea Blostein and Young-Bin Kwon
- 46 papers, 49 participants from 16 countries
- Canada 9, France 8, USA 7, England 4, Spain 4
- Academic Institutions 37, Industry 12
- Eight sessions, each session included:  
a survey talk, short presentations and panel discussion

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### **2.2 The Arc Segmentation Contest**

- Co-organizers: Liu Wenyin and Dov Dori
- Fourth Contest on testing the abilities of participating algorithms and systems to detect arcs from raster images
- Training and test images with ground truth (TIFF format)
- <http://research.microsoft.com/users/wyliu/arcsegcontest.htm>
- Two participants  
Dave Elliman (University of Nottingham, UK)

Xavier Hilaire and Karl Tombre (LORIA, France)

- Performance evaluation protocol and report on contest are published in the post-workshop book (LNCS volume).

- Past Contests:

The first contest, held at the GREC95 workshop in University Park, PA, USA, focused on dashed line detection

The second contest, held at the GREC97 workshop in Nancy, France, attempt to evaluate complete to raster to vector conversion systems

The third contest, held off-line in association with the GREC99 workshop in Jaipur, India, also aimed to evaluate complete raster to vector conversion systems

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### **2.3 LNCS Volume 2390**

- Post workshop book with refereed and enhanced submissions

- Graphics recognition--Algorithms and Applications, Editors: Dorothea Blostein and Young-Bin Kwon, Volume 2390 of Lecture Notes in Computer Science, Springer-Verlag, 2002

- 32 accepted papers

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### **2.4 TC-10 Co-sponsored Events**

- ICDAR2001, September 2001, Seattle, USA (during 9.11 terror)

- Co-sponsored with TC-11

- Was held just after GREC2001

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## **3. Future Activities**

- The next Graphics Recognition Workshop GREC2003 will be held in Barcelona, Spain, in July 2003.

- GREC2003 Homepage <http://www.cvc.uab.es/grec2003/>

- Graphics Recognition Contest at GREC2003
- ICDAR2003, Edinburgh, co-sponsored with TC-11
- Web site update
- Next TC-10 Chair election during ICPR, Quebec, Canada