

# **IEEE Transactions on Robotics & Automation**

## **Status Report**

**October 2002, Lausanne, Switzerland  
Peter B. Luh, Editor-in-Chief**

- Overall Summary
- Special Issues
- Review Statistics
- Conclusions

# 1. OVERALL SUMMARY

- **Submissions Are Up**

Year	Submissions
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1996	268
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1997	289
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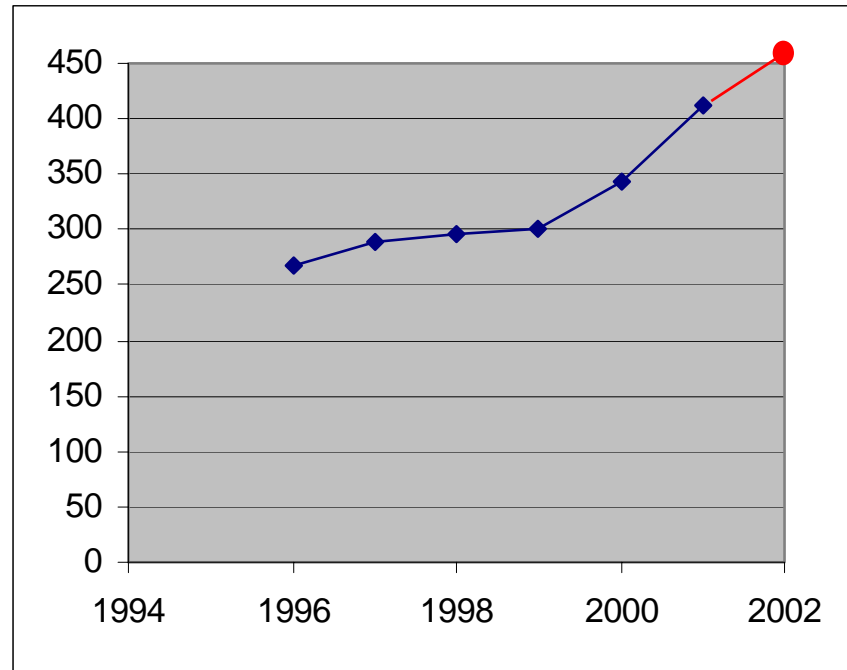
1998	297
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1999	300
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2000	343
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2001	412
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2002	<b>352</b> by Sept 30, and expect <b>460</b> by year end
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Thanks to special issues organized by Technical Committees and short and constructive review process

- **Accepts/decisions: Back to normal**

1997 = 28%

1998 = 28%

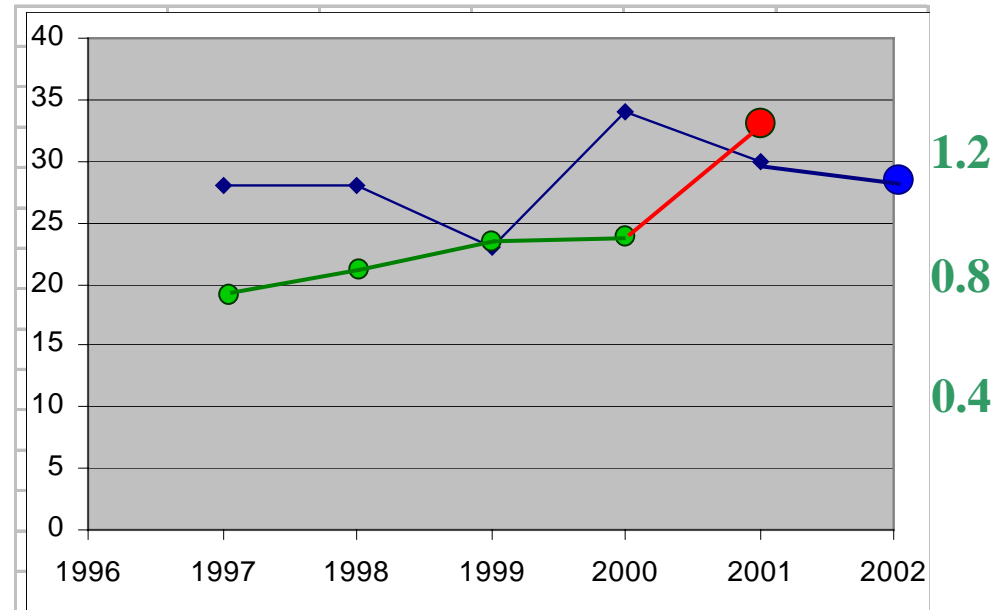
1999 = 23%

2000 = 34%

2001 = 30%

2002 = 29%

~ Reasonable



- **Impact factor significantly improved (Number 1 in Robotics for years):**

1997 0.792

1998 0.849

1999 0.984

2000 0.986

**2001 1.375**

- **Page Budget**
    - Will meet the 2002 page budget of 1024 pages and with short but non-zero buffer
    - Will gradually catch up the publication date starting the October issue
  - **Page Limit**
    - Changing page limit for regular papers from 8 to 10 pages and for short papers from 4 to 5 pages starting 2003
- ⇒ Very good time to submit **loooooong papers** and special issue proposals
- **Conference Award Papers**
    - Invited ICRA award winning authors and runners-up to submit their papers. Responses are favorable
    - **Will extend to other RAS conferences**

## 2. SPECIAL ISSUES

### Published or to be published

- **Object-Oriented Methods for Distributed Control Architectures**
  - [Technical Committee on Programming Environment in R&A](#). G. Menga, M. Fayad, D. Brugali, and R. Volz.
  - 7 regular papers and 2 short papers for a Special Section in the August issue
- **Multi-Robot Systems**
  - T. Arai, E. Pagello, and L. Parker
  - 16 papers for the October issue

# In Process

- **Analysis and Control of Automated Manufacturing Systems via Timed Petri-Net Models**
  - [Technical Committee on Discrete Event Dynamic Systems](#). A. Di Febbraro, R. Minciardi, Y. Narahari, and Y. Wang
  - Wrapping up the first round of review. Results not promising
- **Medical Robotics**
  - [Technical Committee on Medical Robotics](#). R. Taylor, P. Dario, and J. Troccaz
  - 30 Regular papers and 1 short paper submitted, and are under first round of review

# New Special Issue

- **Workholding and Fixturing**

- **Technical Committee on Manufacturing Automation.**

- Michael Wang, Edward DeMeter, Shreyes Melkote, and Ken Goldberg

- Call for papers in the August and October issue (late to come out)

- **Submit papers!**

# Waiting for Proposal

- **Human and Robot Interaction & Communication**

- **Technical Committee on Human and Robot Interaction & Communication.** Kazuhiro Kosuge

- **Other ideas/guest editor candidates?**

### 3. REVIEW STATISTICS

Year	4/00	10/00	5/01	10/01	5/02	10/02
Rvw > 9 mos	13	11	4	1*	3	2
Rvw 6-9 mos	26	25	20	68*	7	14
Rvw 3-6 mos	57	57	52	63	59	84
Rvw 0-3 mos	101	77	140	70	110	106



## 4. CONCLUSIONS

- Thank the efforts of members of Technical Activities Board. Close collaboration between TAB and PAB is healthy for the Society
- Thank the efforts of members of the Editorial Board for the dedication and hard work
- Continue the **service mentality** for quality/timeliness
  - A **constructive** and **cultivating** review process
  - Continuously reduce the review cycle
- Recruit AEs with industrial background. **Suggestions welcome**
- **This coming year would be a turning points for TR&A**

Thank you!