「電子情報通信学会における国際化の取り組み」
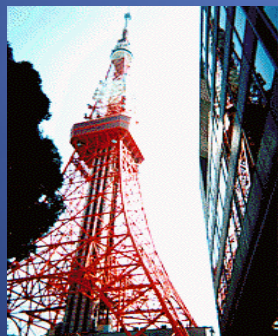## —グローバル化の現状と課題—
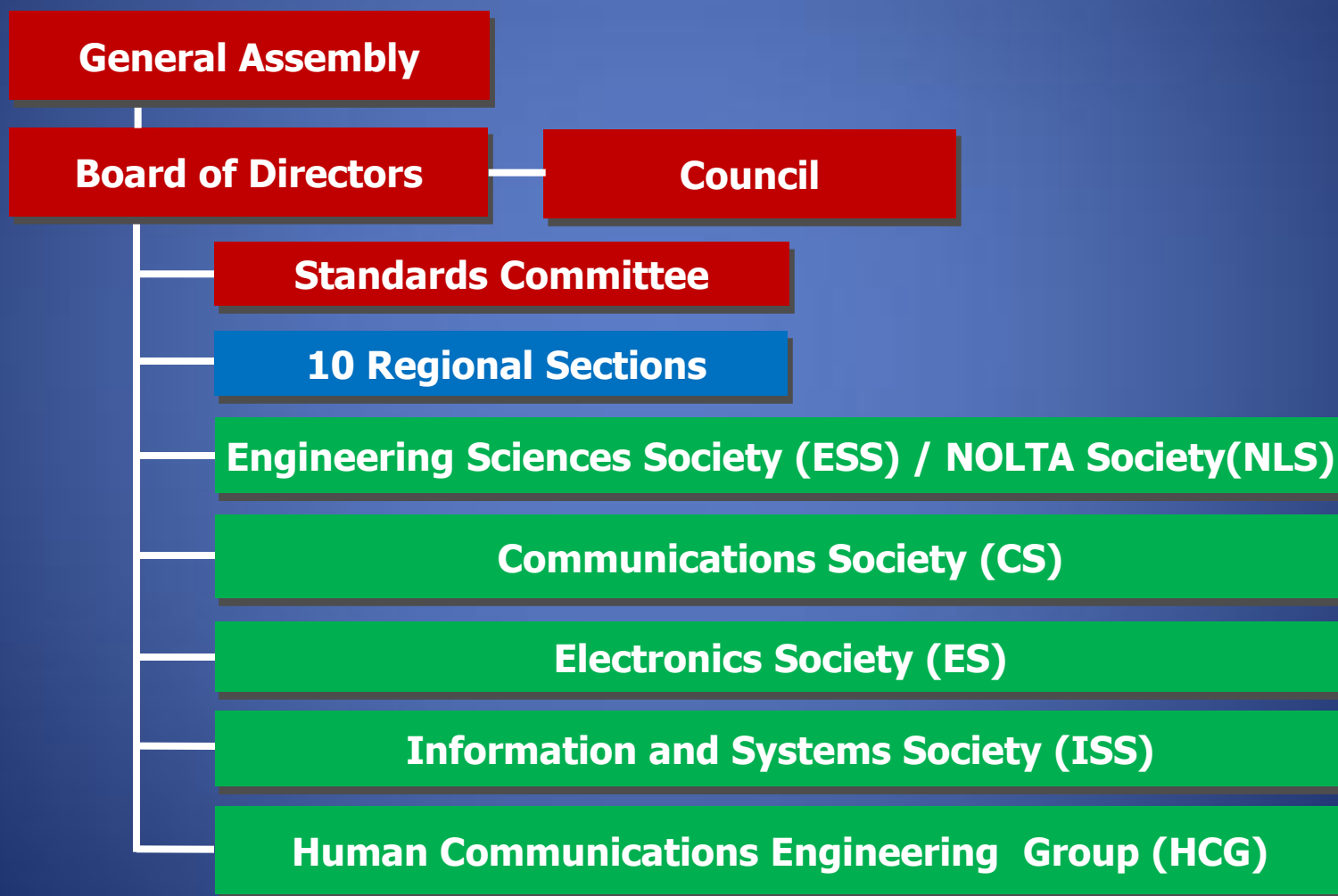
笹瀬 巌

**一般社団法人 電子情報通信学会
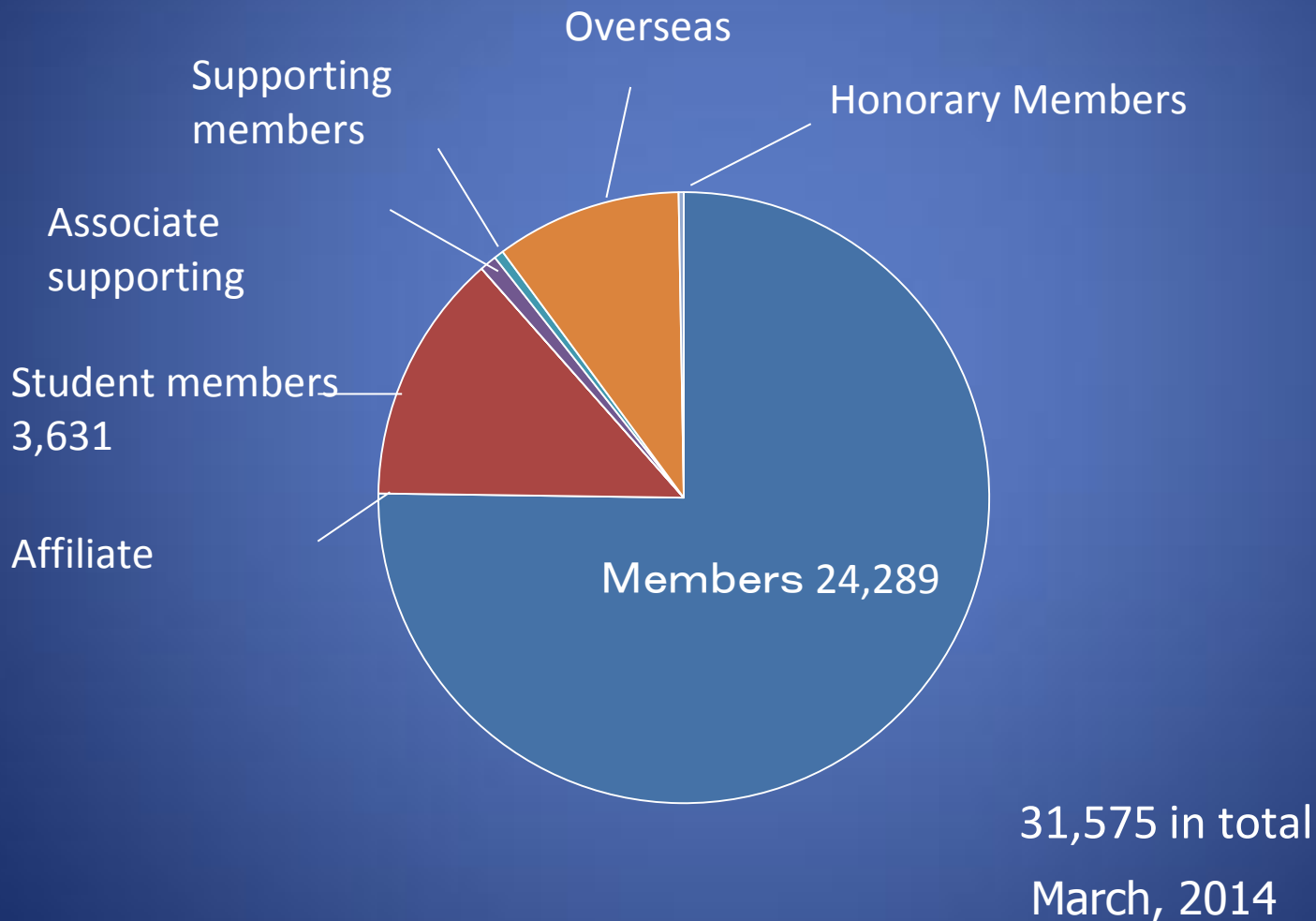副会長、国際委員会委員長**

慶應義塾大学理工学部情報工学科 教授

1

電子情報通信学会の組織

```
General Assembly
   │
Board of Directors ─── Council
   │
   ├── Standards Committee
   │
   ├── 10 Regional Sections
   │
   ├── Engineering Sciences Society (ESS) / NOLTA Society(NLS)
   │
   ├── Communications Society (CS)
   │
   ├── Electronics Society (ES)
   │
   ├── Information and Systems Society (ISS)
   │
   └── Human Communications Engineering  Group (HCG)
```

電子情報通信学会の会員構成

Overseas

Supporting members

Honorary Members

Associate supporting

Student members 3,631

Affiliate

Members 24,289

31,575 in total

March, 2014

ソサイエティ・グループ別の会員構成

Human Communications Group (HCG)
2.5%

Engineering Sciences (ESS)

16.8%

Information and Systems (ISS)
31.2%

Communications (CS)

31.9%

Electronics (ES)
17.6%

4

国外会員の国別内訳

- □ East Asia 86.1%
- ■ Middle East 4.4%
- ■ Europe 4.4%
- ■ North America 2.2%
- ■ Central America 1.4%
- ■ South America 0.8%
- ■ Oceania 0.3%
- ■ Africa 0.4%

3,155 in total

March, 2014

通信ソサイエティの会員内訳

IEICE-CS members
（August 2013)
11,809
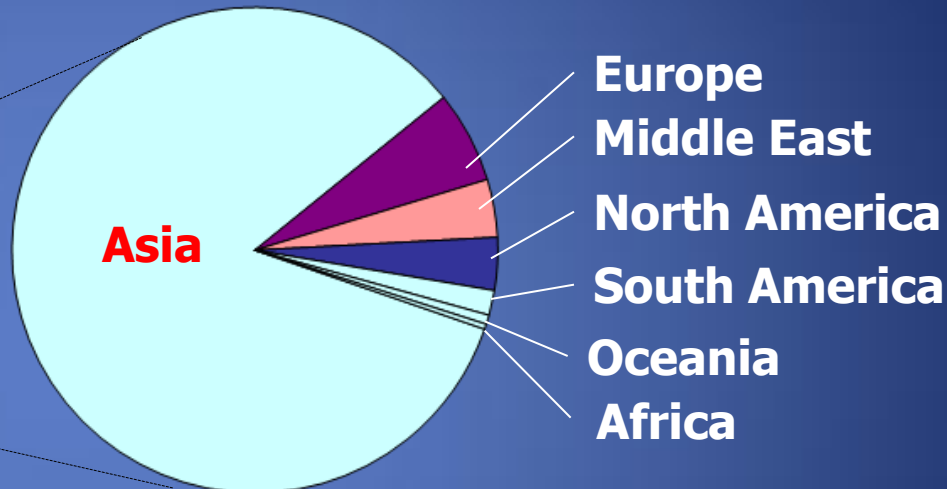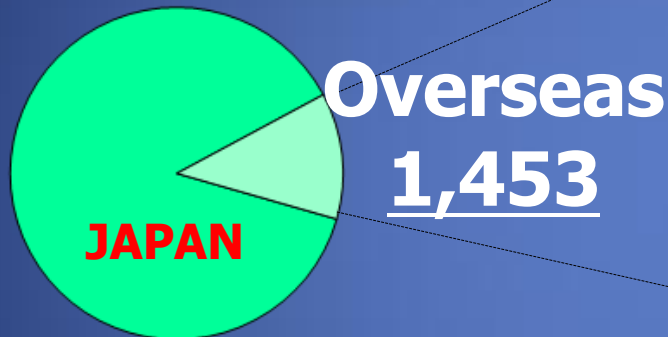
Overseas
1,453

JAPAN

Asia

Europe
Middle East
North America
South America
Oceania
Africa

|			
ALGERIA	FRANCE	MONTENEGRO	SINGAPORE
AUSTRALIA	GERMANY	NETHERLANDS	SLOVENIA
BANGLADESH	GREECE	NORWAY	SOUTH AFRICA
BELGIUM	HUNGARY	OMAN	SPAIN
BOSNIA AND	INDIA	PAKISTAN	SWEDEN
HERZEGOVINA	INDONESIA	PHILIPPINE	SWITZERLAND
BRAZIL	IRAN	POLAND	TAIWAN
CANADA	IRELAND	PORTUGAL	THAILAND
CHINA	ITALY	REPUBLIC OF CYPRUS	TURKEY
CROATIA	JORDAN	REPUBLIC OF ECUADOR	U.K.
CZECH	KOREA	ROMANIA	U.S.A.
DENMARK	MACEDONIA	RUSSIA	VIETNAM
EGYPT	MALAYSIA	SAUDI ARABIA	
FINLAND	MEXICO	SERBIA	

53 Countries

電子情報通信学会　英文論文誌

English Transactions are independently edited by each Editorial Committee of Engineering Sciences Society (ESS), Communications Society (CS), Electronics Society (ES) and Information and Systems Society (ISS).

Total about 10,400 pages
Acceptance Ratio: 30～50%

掲載論文の国別内訳（英文論文誌）

- ☐ 1Japan 57%
- ☐ 2 China 20%
- ☐ 3 Korea 14%
- ☐ 4 Taiwan 3%
- ☐ 5 Others 6%
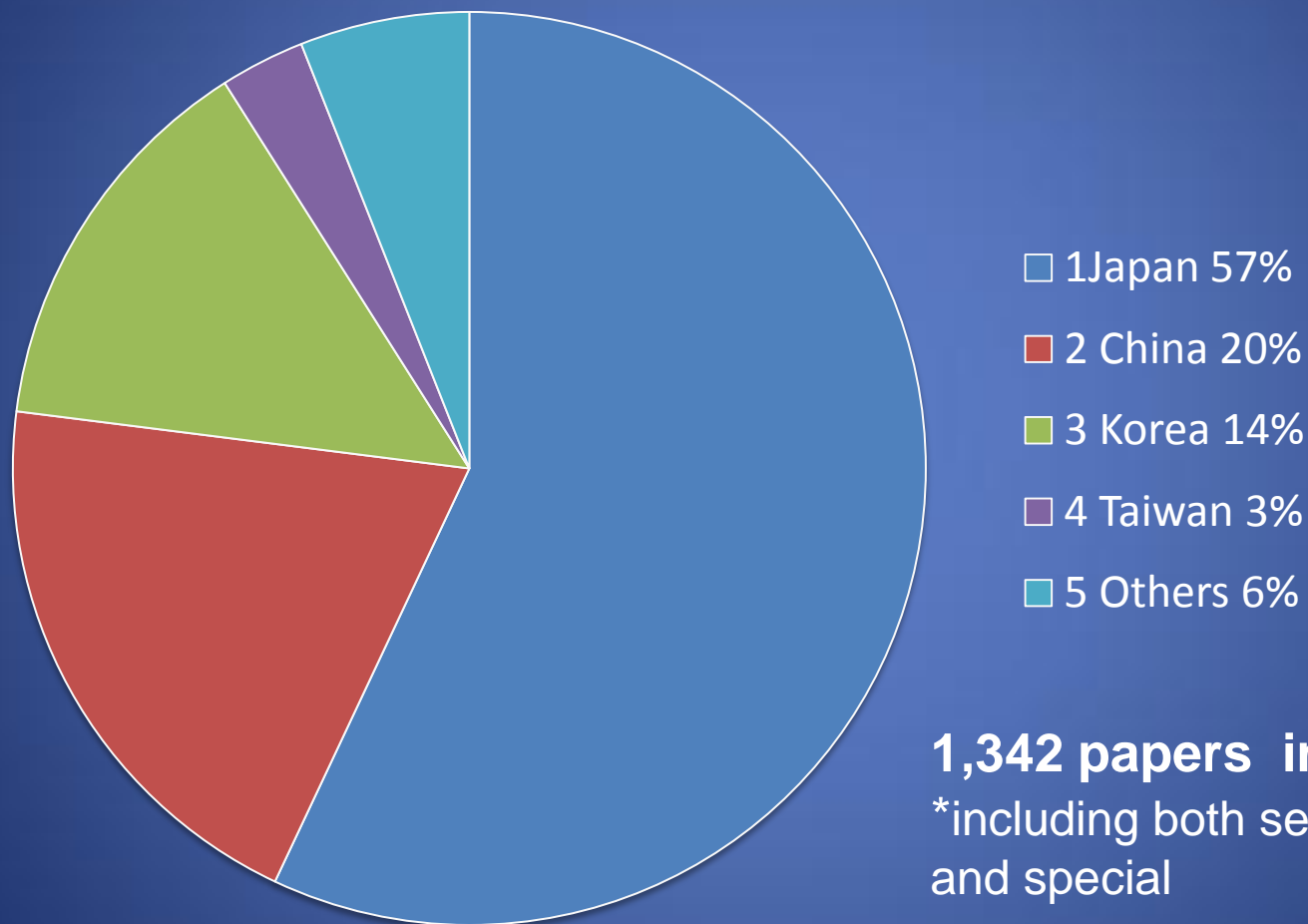
1,342 papers in total
*including both sections of regular and special

December, 2014

英文季刊ジャーナル・電子レター論文

Nonlinear Theory and Its Applications, IEICE (NOLTA)

NOLTA is published quarterly.
http://www.nolta.ieice.org/index.html

<Paperless letter journals>

IEICE Electronics Express (ELEX)

ELEX is published daily.
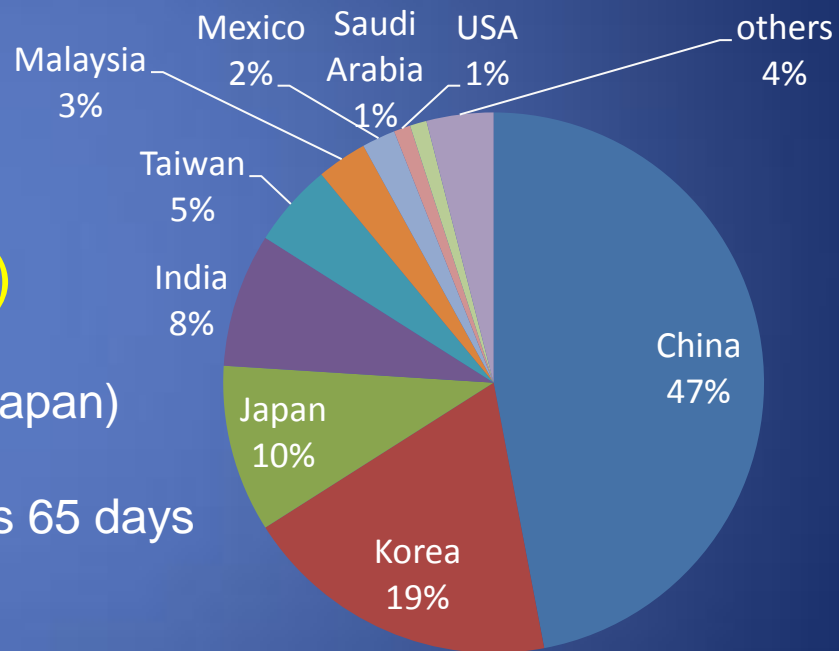No. of Submissions 1101(overseas), 130 (Japan)
Acceptance ratio: 25% in 2014
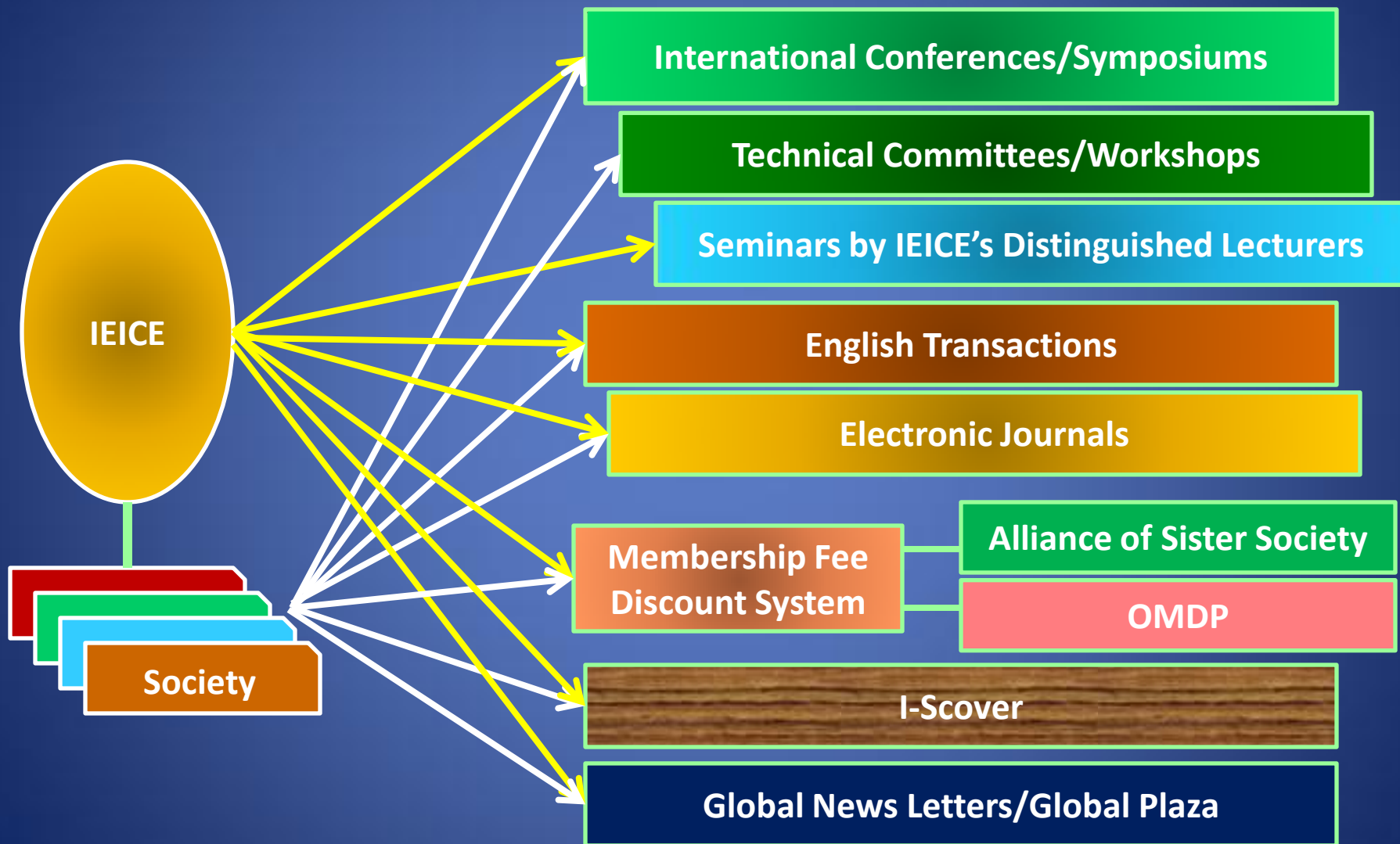The average time of receipt-to-publication is 65 days
http://www.elex.ieice.org/index.html

IEICE Communications Express (ComEX)

ComEX has been launched and published daily since
June 2012.
http://www.comex.ieice.org/

China 47%
Korea 19%
Japan 10%
India 8%
Taiwan 5%
Malaysia 3%
Mexico 2%
Saudi Arabia 1%
USA 1%
others 4%

会員サービスのグローバル化

IEICE

Society

International Conferences/Symposiums

Technical Committees/Workshops

Seminars by IEICE's Distinguished Lecturers

English Transactions

Electronic Journals

Membership Fee Discount System

Alliance of Sister Society

OMDP

I-Scover

Global News Letters/Global Plaza

英文マガジン

IEICE Global Plaza	GLOBAL NEWSLETTER (edited by CS)
• Started in February, 2009 • Published Monthly • Report of IEICE topics	• Started in August, 2002 • Published quarterly • Report of Society's activities, Report of Conference
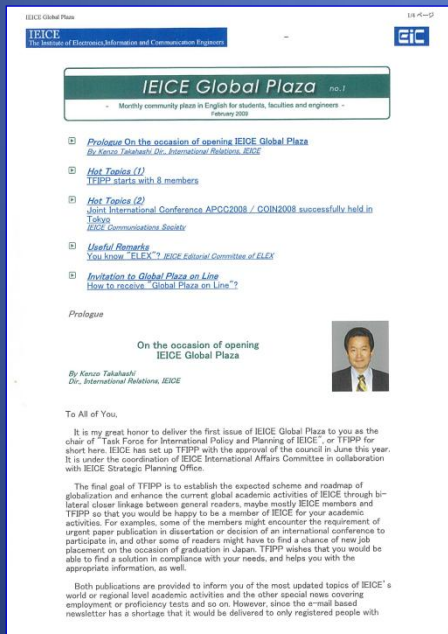
12の国際セクション

|		
Bangkok	Dr．Tuptim Angkaew	Chulalongkorn University
Beijing	Prof．Tao Zhang	Tsinghua University
Europe	Dr．Haris Gacanin	Alcatel-Lucent Bell N.V.
Indonesia	Dr．I Gusti Bagus Baskara Nugraha	School of Electrical Engineering and Informatics Institute Teknologi Bandung
Korea，Communication	Prof．Choong Seon Hong	Kyung-Hee University
Korea，Electronics	Prof．Jang-Kyoo Shin	Kyungpook National University
Korea，Information	Prof．Jong-Il Park	Hanyang University
Malaysia	Prof．Swee-Huay Heng	Multimedia University
Shanghai	Prof．Wen Chen	Shanghai Jiao Tong University
Singapore	Prof．Arokiaswami Alphones	Nanyang Technological University
Taipei	Prof．Liang-Hung Lu	National Taiwan University
Vietnam	Prof．Nguyen Ngoc Binh	VNU International Francophone Institute（VNU-IFI）

通信ソサイエティにおけるSister Society

- **Sister Society Agreement with IEEE ComSoc has been renewed in December 2013.**
  - The agreement provides the discount rate for the IEICE membership annual fees.

  Sister societies of IEICE-CS:
  - IEEE Communications Society (ComSoc)
  - Korean Information and Communications Society (KICS)
  - Korean Institute of Electromagnetic Engineering and Science (KIEES)
  - Informatiostechnische Gesellschaft within The Verband Der Elektrotechnik Elektronik Informationstechnik (VDE/ITG)
  - China Institute of Communications (CIC)

13
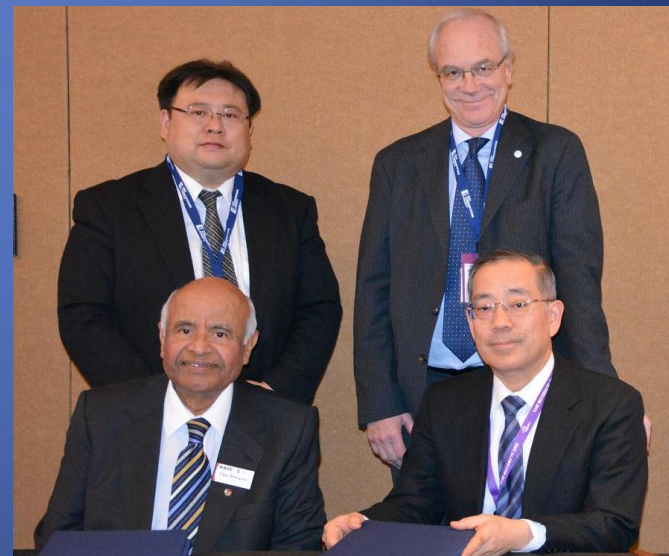
IEICE Knowledge Discovery (I-Scover)

- Launched on 3rd April 2013.
- Available free of charge.
- Covers 160,000 IEICE articles.
  - IEICE Transactions
  - IEICE Technical Reports
  - IEICE General/Society Conference
  - ISAP (International Symposium on Antennas and Propagation)
  - EMC (International Symposium on Electromagnetic Compatibility)
- Metadata is stored as linked data.
- Serendipity searching

Search System for Researchers
Find relationship between articles, between an article and a researcher, and between researchers
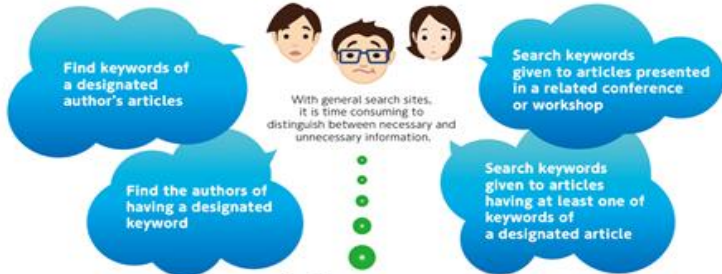
i Scover
IEICE Knowledge Discovery®

I-Scover is a smartphone- and tablet-compatible site

i-scover

http://i-scover.ieice.org/

iScover IEICE Knowledge Discovery
http://i-scover.ieice.org/

Search paper topics
Investigate technological trends
A solid rationale is desired

With general search sites, it is time consuming to distinguish between necessary and unnecessary information.

Find keywords of a designated author's articles

Find the authors of having a designated keyword

Search keywords given to articles presented in a related conference or workshop

Search keywords given to articles having at least one of keywords of a designated article

With I-Scover.
you can easily search articles including related keywords efficiently.

グローバル化の現状

- 国外会員が３０００名以上を維持 (全会員の１０％以上)
- 英文論文 (レター含) の５割 (１５００件) が国外会員の投稿
- １２の国際セクション
- Sister Society Agreement による国際連携
- 国際会議・国際ワークショップの主催・共催・協賛
- 海外会員に対するサービスの強化 (マガジン・web)
- I-Scover (文献検索システム) の拡充

英文論文誌：　論文レベルの高さ・査読の質・的確さが、広く認知
投稿条件：　著者の一人は少なくとも会員であることが必須
国際セクション：All Sections Meeting、代表者のリーダーシップ
サービス：　英文マガジン・webでの発信、Sister Society との連携

グローバル化の課題

- 国外の企業会員の増強（現在は、大学教員・学生以外の会員が主）
- 海外での各セクションにおけるICT R＆D 環境に合った活動活性化
- 海外会員による国際会議や論文誌における特集セッション企画立案
- １２の国際セクションと１０の国内支部との連携強化
- 国際セクションのニーズに合ったサポート・サービスの強化
- 国内留学生と国際セクションとの連携強化
- I-Scoverの利用促進・英文論文誌のImpact factor up /認知度向上
- Distinguished Lecturerによる講演などの人材交流促進
- 海外会員の積極的な活動の奨励・評価（委員任命・フェロー推薦）
- IEEEや海外会員の所属する他学会との連携強化（学会連携による国際会議やワークショップの開催など）