

## NON-PROFIT ORGANIZATION YUVEC

Yokohama Universities Venture Club

The Bridge among the University, Industry, and Expectations & Requests from Communities

The organization aims to contribute to the community, by taking up various needs of the community, informing these needs to universities and industries with the aim of supporting the community through solution-solving.

### Greetings

Ten years has past since this organization was founded, and the second stage of activities of this organization has just started. Staffs members have changed greatly and various new programs have started.

At present, great change of societies has occurred: e.g., rapid progress of IT technologies, globalization, and murkiness of world politics and economy. Under these circumstances, although we should stick to our role, i.e., the bridge between the university, industry, expectations & requests of the communities we should be flexible enough to take multiple approaches including technical-scientific, humanistic, as well as social methods, which are required to solve various issues.

It is said aging is going on in Japan, we hope experienced and high-spirited adults of YUVEC, who are full of curiosity will collaborate and contribute to the society.

Hearty support is greatly appreciated.

Tetsuo Yamazaki  
Chairman of the Board of Directors

### The staff:

Seiji Gousi

Yukio Takano

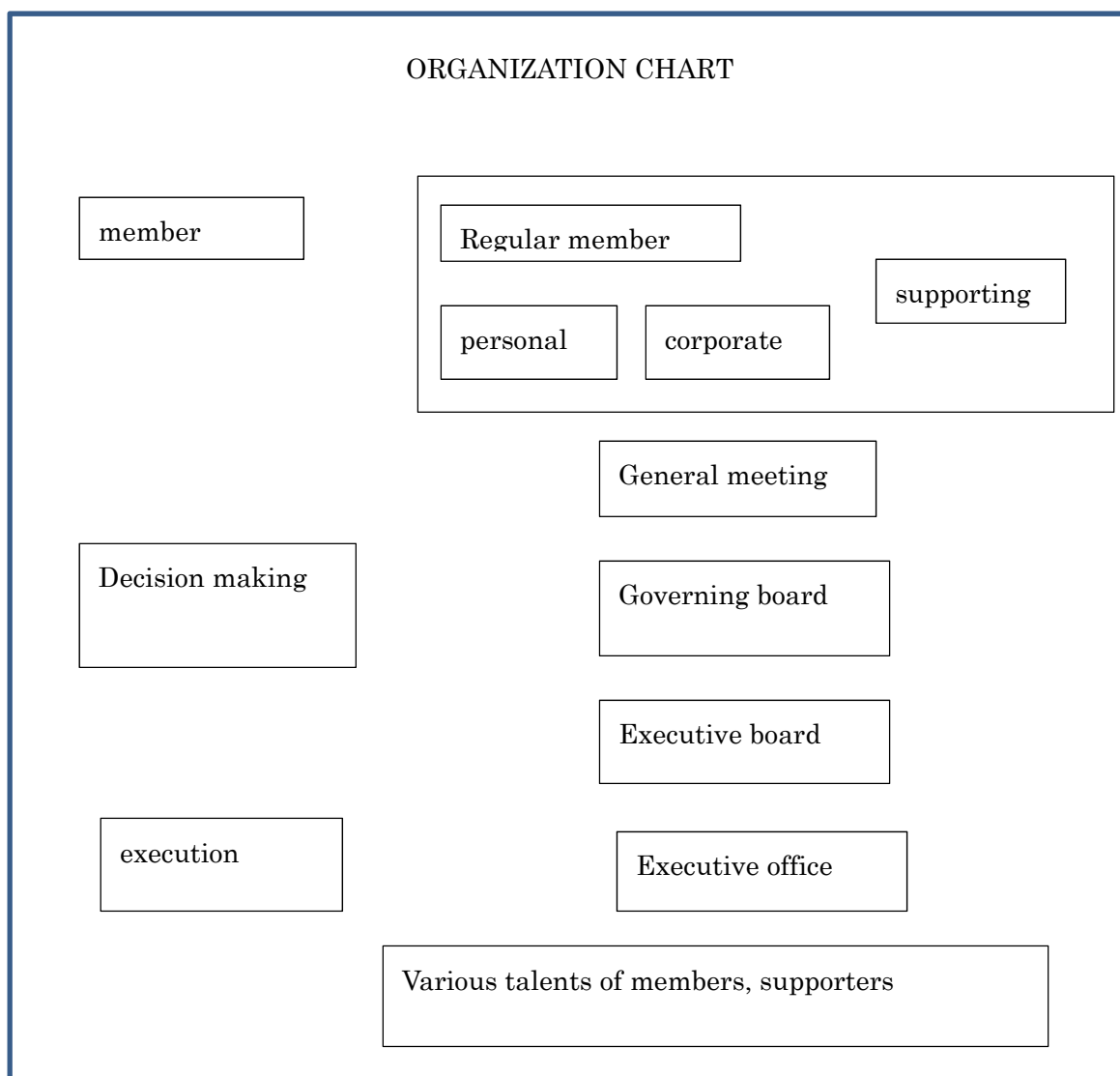
Yasuhisa Ohtake

Kouji Ichiishi

Kouhei Matsuoka

Masayoshi Fukumoto

Kiyokazu Sawaki



### History

year	Main events and other Topics of the year
2001	Foundation of Yokohama University Venture Club(YUVEC) in April
2002	Various seminars, “how to start a venture business”, “encourage academic staffs to apply patent”, “specific technology”, “collaboration between universities and enterprises”, and so forth..
2003	The second anniversary lecture meetings, “strategy of management based on intellectual properties”
2004	Seminars of leading technologies, “pursuing ultimate photoactive catalyst” and “nano-technology symposium”. Cooperated to hold a seminar “management learned from venture companies”.

	<p>Cosponsored lectures, “how to start a venture business”.</p> <p>Foundation of Non-profit organization YUVEC in October. (Chairman of board of directors Mamoru Mitsuji)</p>
2005	<p>A workshop of “strategy of intellectual properties”, seminars of “what kind of effect are expected due to universities becoming independent administrative institution” and “packaging technologies”.</p>
2006	<p>Toshio Abe took office as the second chairman of board of directors of YUVEC. A workshop of management based on strategic intellectual properties.</p> <p>The second anniversary of YUVEC, the lecturer being Mr.Hiruta, the president of Asahi Kasei corporation.</p> <p>Consortium of Yokohama advanced packaging technologies (YJC) has been founded, Masaki Siratori taking office as the chairman of board of directors. Eighteenth YJC seminar and JISSO school, consistent of ten sessions, have been started.</p>
2007	<p>Seminars, workshop, and so forth: “YUVEC salon” consistent of 10sessions, “19th YJC seminar”, workshop for “industry-univesity collaboration” in Ohta-ku, Tokyo, the meeting to report results of nano-reseach club, 20th YJC seminar, first anniversary symposium of YJC, JISSO school, “new leaders of Yokohama economy” sponsored by city of Yokohama, “education system of renewed effort” sponsored by MEXT, “project of cultivation of human resources (school)” sponsored by METI</p>
2008	<p>Symposium of “environmental management”, collaborated symposia of “packaging technologies of power electronics” and “nanotech symposium”, both of which being sponsored by KAST (Kanagawa Academy of Science and Technologies). JISSO school and JIC second anniversary symposium.</p>
2009	<p>Symposia of “nanotechnologies”, “packaging technologies for power electronics”, “environmental management”, “JISSO school”、 and meeting of third anniversary lectures.</p>
2010	<p>Tetsuo Yamazaki has taken office of the chainman of the board of directors. Seminars and lecture meetings of “environmental management”, “packaging technologies for power electronics”, “tutorial session for the society of packaging technologies for electronics”, “YJC seminar, “the lecture meeting of fourth anniversary of YJC”, “JISSO school”, and “YJC seminar”.</p>
2011	<p>Seminars, “packaging technologies for power electronics” ,”symposium of environment”, and tutorial session.</p> <p>Project of evaluation of materials such as SiC of packaging technologies for high- current power modules (KAMOME), Akio Takahashi taking office as the project leader. Seminars, “YJC seminar” and “JISSO school”. Collaborated to hold seminar, “industry-ready human resources” sponsored by Small and Medium Enterprise Agency. Also held HJC f 5th anniversary seminar.</p>

2012	Symposium on environment, a tutorial, and YJC seminar, Yokoshin rapport gathering, YJC 6th anniversary seminar, and JISSO school.
2013	A tutorial session. KAMOME project (part II) has started. "YJC seminar", "the programs of short stay and short visit of companies by foreign exchange students", "YJC 7th anniversary seminar", "JISSO school". Published 10th anniversary report.
2014	Foundation of Joint Council of Yokohama Hydrogen Energy, Kenichiro Ohta taking office of the chairman of the board of directors. A tutorial session, "Yokohama hydrogen energy seminar", "YJC seminar", "YJC 7th anniversary seminar", and "JISSO school". Published 10th anniversary report.
2015	A tutorial session, "hydrogen seminar", "YJC seminar", and "JISO school". Founded the workshop of life carrier. Held YJC 9th anniversary seminar

### Current activity of YUVEC

- The management of the consortium of Yokohama high-tech packaging technologies (packaging technologies business group)

Packaging technologies business group has managed the consortium of Yokohama high-tech packaging technologies (YJC), which was founded in 2006 by Yokohama National University researchers and experienced graduates who retired from companies.

The following events have been held in order to provide occasions for people in the electronics industries and those of research institutions to create personal connections.

#### 1. To providing information and occasions of communication

Holding anniversary symposium (10th anniversary symposium on September 13, 2016)

The seminar of packaging technologies (43th seminar of packaging technologies)

#### 2. Workshops of advanced packaging technologies

Promotion of KAMOME project (the third stage started in FY of 2015)

KAMOME project started in 2011 with funding by participating companies of the society of power electronics packaging technologies, which was founded by KAST in 2008. The naming of KAMOME originates from Kanagawa Advance Module for Material Evaluation. The purpose of the third stage is to support development and evaluation of reliability of large current power modules using materials such as SiC. The third stage started in April 2015 with 19 member companies for the terms of two years.

In this project reliability evaluations are made of various materials used for packaging of modules made on next generation semiconductors (SiC/GaN), which are expected to be operated under high temperatures. The evaluations are made in the organization of consortium. This project is the only the case where evaluations are made by consortium.

Active collaborations are made among working groups of sealing materials, bonding materials and heat radiation materials.

### 3. Training of engineers of packaging technologies

JISSO school started in 2006 in order to raise the level of active engineers. The program has been promoted with supports by METI, MEXTI, Kanagawa prefecture, and Small and Medium Enterprise Agency.

Commissioned project by NEDO has started in the middle of 2015, and selected new training programs have been promoted, which consist of “basic” and “field trip” types.

### 4. Commissioned project by NEDO, “training course of advanced power electronics”

Yokohama National University was consigned this project by NEDO (New Energy & Industrial Technologies Development Organization) in 2015. YJC has recommissioned the project by the university. The project is consistent of basic and advanced courses. The purpose of the course is to learn essential technologies concerning environment and energy. Education systems such as e-learning system are under development.

#### ■ Management of joint council of Yokohama hydrogen energy

Environment group of YUVEC started in 2009 on the basis of the fund by Bureau of Economy and Sightseeing (the then) of Yokohama municipal government, “supporting to create new leaders of economy of Yokohama”. This group has held 10 symposia concerning environmental management up until 2011, and founded Joint Council of Yokohama Hydrogen Energy in 2014. This council has promoted public awareness campaigning of hydrogen energy system impressing its cleanliness by holding seminars, under collaboration with companies in Kanagawa prefecture, Yokohama Kawasaki, and Sagami-hara cities, which are concerned with hydrogen energy business. A sixth seminar was held in April, 2016, the number of registered member exceeding 500. We are planning to widen the circle of activity by collaboration of other neighboring local governments.

#### ■ Making good use of member’s experiences and connections (New business group)

##### 1. Planning and management of “workshop of Life career”

YUVEC salon started in 2007 and luncheon parties have been held by inviting professors of YNU as lecturers. Workshop of “life career” started in 2015 FSY, in order for middle and elderly men and women to find out something to live for. The workshop was inspired by the panel discussion, “shaping the future by YNU women’s association”, which was held at YNU homecoming day as a 10th anniversary event. We are planning to hold such events 4 times a year.

##### 2. Partnership with other university and other topics

YUVEC has supported research and courses of universities in the fields of intelligent properties, management of venture business, and collaboration between university and industry.

Currently, YUVEC was also contracted to support overseas students in the programs of short visits and stay of the companies with guidance and arrangements, where experiences and personal connections are fully used. YUVEC has also worked on the current serious issues of industries, universities, and public welfare, such as difficulties associated with nursing of child and elder persons at the same time within a family. Other activities of YUVEC include, collaboration with Yokohama Credit Union, consulting services, coordinating between small and medium companies and engineers, reunion of graduates of the university, launching new business, and so forth. In every activity, the experiences and connections of YUVEC members have been fully utilized. These activities, we believe, offers high satisfaction for those who take high quality with low cost services and members of YUVEC, who offers such services.

Directors (\* :operating officer)

Chairman of the board of directors:	*Testuo Ymazaki	management in general
Vice chairman of the board of directors:	*Katutoshi Komeya	professor of emeritus of Yokohama National University
Vice chairman of the board of directors:	*Yohichi Muratomi	professor of Center for Risk Management and Safety Sciences of Yokohama National University
Executive director	*Seiji Goushi	Packaging technologies in general
Director	*Kouji Ichiishi	environment (chief of secretariat of workshop of Yokohama hydrogen energy)
Director	*Yasuhisa Ohtake	packaging technologies (KAMOME project)
Director	*Seiji Koizumi	president of Fusion Knowledge Corporation
Director	*Yukio Takano	chief of secretariat
Director	Hitoshi Habuka	professor of graduate school of Engineering of Yokohama National University
Director	Toshio Ogasawara	certified tax accountant
Director	Shuichiro Higuchi	one-time president of YNU alumni(Chemical)
Director	Eiko Nakamura	professor of emeritus of YNU

Director	Noriko Suzuki	specialty-appointed professor for gender equality of Yokohama National University
Director INC	Kazuhiko Adachi	chairman of Intelligent Wave
Adviser (Chairman of Yokohama Hydrogen Energy Workshop)	Kenichiro Ohta	professor of emeritus of YNU
Adviser	Toshio Abe	one-time chairman of YUVEC
Auditor	Kohichi Kamachi	certified public accountant
Auditor NHK	Yoshichika Morikawa	one-time member of
Members of executive office Kiyokazu Sawaki	Kouhei Matsuoka, Masayosi Fukumoto, and	

### **Invitation to YUVEC**

YUVEC has acted in order to vitalize community and industry, with support by Yokohama National University in the field of science, social study, and humanities. Also, we would like to ask our alumni and alumnae to join us if you think you want contribute to society by means of your experiences in companies. Why don't you join us to launch a new business?

#### ➤ Kind of membership and annual dues

There are four types of membership. After you join us, we provide name cards of YUVEC with logo. The entrance costs of the events held by YUVEC are reduced for members. Also, we deliver news by e-mail every month and a magazine of YUVEC, "BRIDGE" twice a year.

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|----------------------------------|-------------------|
| 1. regular member                | ¥10,000 per share |
| 2. corporate member, firm member | ¥50,000 per share |
| 3. supporting member             | ¥10,000 per share |
| 4. supporter                     | ¥5,000 per share  |

#### ➤ How to apply for the membership

- Concerning application for the membership and donation, please refer to the website (<http://www.yuvec.org>). Application is also possible using FAX (045-340-3982) with prescribed form.
- Please contact us concerning event information by e-mail ([yuvec02@ml.ynu.ac.jp](mailto:yuvec02@ml.ynu.ac.jp)).

Non-profit Organization YUVEC

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