

Review Report

The History of JOV of 10 Years

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Abstract : Visualization is an interdisciplinary imaging science devoted to making the invisible visible by means of the techniques of experimental visualization and computer-aided visualization. Since the first publication of Journal of Visualization (JOV) in 1998, the Journal has been providing state-of-the-art information on this imaging science in full color in order for better understanding of the phenomena. Since the first issue, 10 volumes, 40 copies and approximately 430 papers have been published. The Editorial Board is composed of domestic and foreign researchers who are internationally active in this field. Thus, JOV is strongly characterized as an international technical journal. The JOV reached the 10th anniversary year in 2007, and the anniversary ceremonies were held in Tokyo, Hong Kong and Tallahassee.

Keywords : Visualization, Journal of Visualization, Atlas of Visualization, Fantasy of Flow, Impact Factor.

1. What is JOV

Visualization is an interdisciplinary imaging science devoted to making invisible phenomena visible by means of the techniques of experimental visualization and computer-aided visualization. Accordingly, it includes a wide range of multidisciplinary fields of science and technology, including a recent addition of scientific art. The scope of the Journal is to provide a place for researchers and technicians to exchange information on the state-of-the-art visualization technology and its application. During 10 years since its first publication in 1998, the journals have maintained publication in full color in order for promoting better understanding of complex phenomena. This year is the 10th anniversary year. So, the Memorial Ceremony was held in Tokyo and at the International Symposia, same ceremonies were held in Hong Kong and Tallahassee. And at these ceremonies, the JOV Award was presented to the persons contributed to JOV.

2. Down of JOV (1989-1997)

Visualization Society of Japan was established on the 1st of February 1990 by the approval of the Ministry of Education.

Prior to the society foundation, there was a strong need to provide a place for national and international researchers to exchange information on the latest visualization technology and its application. Reflecting this need /In response to this need, the Examination Committee of Publishing English Journal was set up in July 1989, and started to discuss the publication of the journal. In the following year of 1990, the society was founded, and decided the publication of English journals. The

Examination Committee then became the Committee of Publishing English Journal. This journal was named Atlas of Visualization and first published in 1993 (Fig. 1). There were several problems in publishing the first issue, so that 2 visits to the Pergamon Press were made to discuss these problems.

The Pergamon Press commented that the book was excellent, but there were not enough number of books sold as expected and the publishing cost had to be increased. So, the publisher was changed to CRC Press (Florida). Atlas of Visualization II (Fig. 2) was published in 1996 and Atlas of Visualization III (Fig. 3) in 1997. CRC Press is in Boca Raton, Florida and a kind support was given by Prof. Chen, Florida A&M Univ. / Florida State Univ.) .

At around this time, Fantasy of Flow (edited by Visualization Society of Japan) (Fig. 4) was published from Ohmsha Ltd in 1993, by adding new photographs to the Japanese book, Fantasy of Flow.

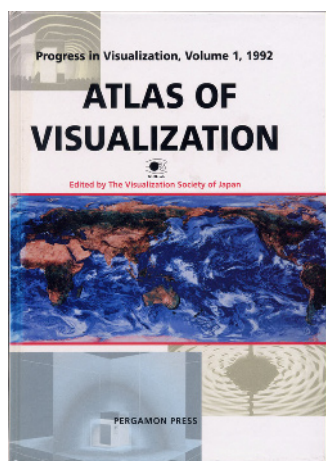


Fig. 1. Atlas of Visualization (1993).

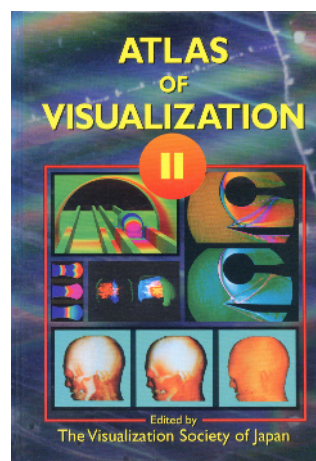


Fig. 2. Atlas of Visualization (1996).

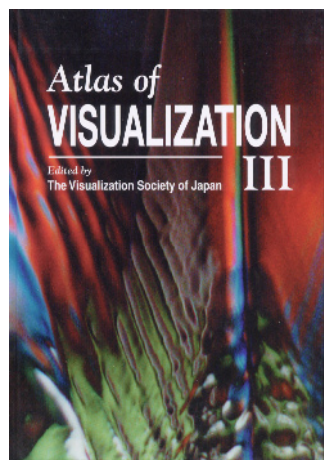


Fig. 3. Atlas of Visualization (1997).

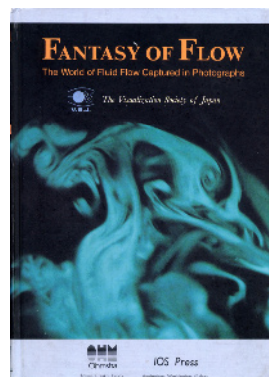


Fig. 4. Fantasy of Flow (1993).

3. Birth and Growth of JOV (1998-2001)

The desire to publish an English journal was ripened, and the voice was becoming louder for quarterly publication of English journals. However, the society could not pay the publishing cost over JPY2,000,000. After consultation, the Society had a strong support from Ohmsha, Ltd, and the publication process was started.

Editorial Committee consisted of the following members : The Editors-in-Chief were Prof. Y.

Nakayama and Prof. Y. Tanida. The center of JOV was at the Kobayashi Laboratory (Univ. of Tokyo) with complete support from Prof. T. Kobayashi. The Regional Editors responsible to their own regions consisted of, with kind response to the Society's request, 4 Regional Editors in America, 3 in Asia and 8 in Europe. There were 10 Managing Editors and 33 Advisory Editors to support the editorial work.

At that time, the complete editorial work was done by Ohmsha, Ltd who provided financial support, too. With great effort of Prof. T. Kobayashi, Secretariat Manager Prof. M. Oshima, foreign students Mr. H. Hu, Mr. D.H. Doh and other laboratory members, Journal of Visualization Vol.1 No.1 (Fig. 5) was published in 1998, and after this issue the Journal was published successively.

During that period, the Society for PIV Research, chaired by Prof. T. Kobayashi was in very active state, and many research papers about PIV were published in JOV. The number of subscribers of JOV thereafter gradually increased. Until 2001, the publishing work made a comparatively smooth progress.

Contribution fee was free at that time.

4. Crisis of JOV (1989-1997)

The great support from and cooperation of Ohmsha, Ltd ended in 2002, and the society had to grope for a new editing system. In order to weather this crisis during the time from 2002 to 2003, the following editorial staffs consisting of 4 Profs., N. Fujisawa, K. Okamoto, M. Oshima and M. Takei became Secretariat Manager with 2 Managing Editors for support. For the printing cost in full color, the printing and binding of Journal were made by Hyosung Co. (Pusan) in Korea. The front cover of this journal of Vol.4 is shown in Fig. 6.

From this time, however, the detailed response and discussion with reviewers and contributors, and editorial work of contributed papers became a part of the work of Managing Editors. So, frequent meeting were held to discuss new parts of Managing Editor and to investigate financial basis of JOV. As a result, the cooperation to JOV was made by Ms. M. Kadowaki as a member of Secretariat from 2004, and Managing Editors could devote themselves to the work of collecting papers and selecting reviewers.

In July 2003, a decision was made that the subscriber of JOV who was not Full Member became the supporting member (JOV) according to the Society Rule.

Whereas, from the need of strengthen the financial base, the charge for contributed paper and the increase of member fee of Supporting Member (JOV) were discussed. As a result of repeated discussions, it was decided that JPY20,000 would be charged as a contribution fee from 2005, but the fee of Supporting Member(JOV) was unchanged. Short paper was included from 2005 and the contribution fee was JPY10,000.

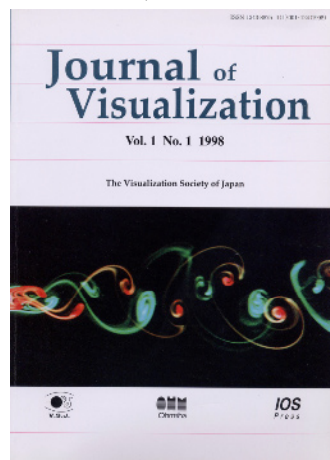


Fig. 5. Journal of Visualization (1998).

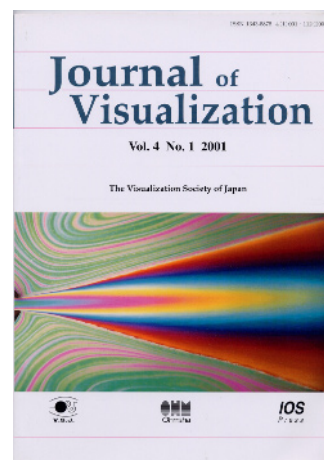


Fig. 6. Journal of Visualization (2001).

5. Development Time of JOV (from 2005)

Through the changes of editing and publishing systems as such, the field of interest expanded to the visualization field of wider-sense, including Scientific Art in addition to Experimental Visualization and Computer-aided Visualization. Further, from January 2007, Frontispiece changed to Portfolio Paper with reviews and the contribution fee was set to JPY10,000. The front cover of this journal of Vol.10 is shown in Fig. 7.

In the same year and month, the E-Journal started on the Web site of the society. The membership fee is additional JPY5,000.

The Impact Factor announced in 2005 was 0.279, in 2006 it was 0.481 and in 2007 the Impact Factor increased further to 0.806. The contents of Impact Factor of 2006 presented in 2007 are shown in Fig. 8.

The present editorial organization consists of 3 Editors-in-Chief, 18 Regional Editors (5 in America, 5 in Asia and 8 in Europe), 35 Managing Editors and 33 Advisory Editors. With regard to the practical business affairs, 2 Chief Examiners selected from Managing Editors and one member of Secretariat form one group to select reviewers for papers and editorial business. Final decision of accepting, revising and rejecting papers is made by Editors-in-Chief. The Editorial Meeting composed of Editors-in-Chief and Managing Editors is held 10 times a year, and general matters such as the course of publication, partition of duties, etc. are discussed and decisions are made.

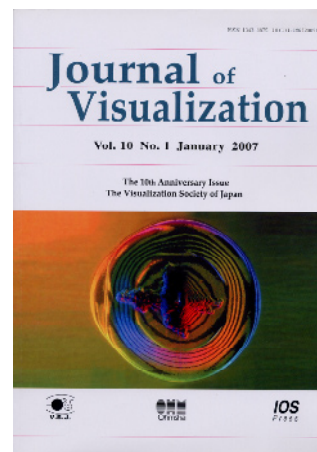
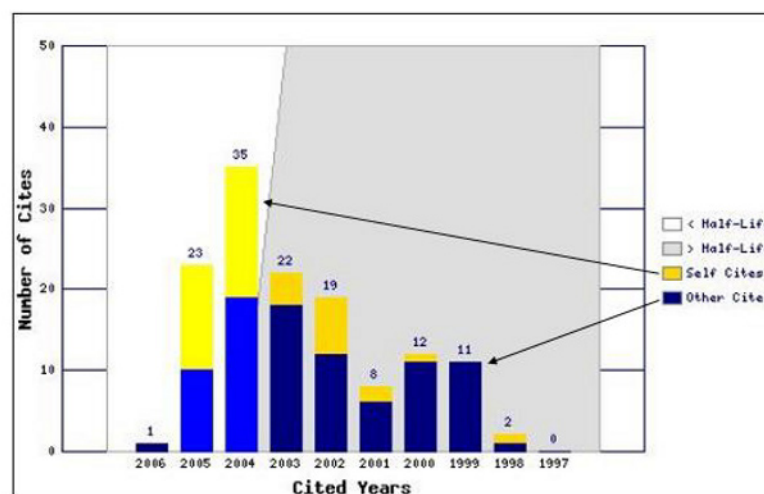


Fig. 7. Journal of Visualization (2007).

Journal Impact Factor ⓘ

Cites in 2006 to articles published in:	2005 = 23	Number of articles published in:	2005 = 37
	2004 = 35		2004 = 35
	Sum: 58		Sum: 72
Calculation: $\frac{\text{Cites to recent articles}}{\text{Number of recent articles}}$	$\frac{58}{72} = 0.806$		



Institute for Scientific Information Journal Citation Reports (<http://isiknowledge.com/jcr>).
Fig. 8. Impact Factor of JOV. (2006).

The supporting / corporative members (JOV) are 16 in Korea and 6 in China. We hope to increase the members in due course. With this intention, the Editorial Meeting was held in March in Pusan, in June in Hong Kong and in September in Tallahassee in the presence of Regional Editors and Managing Editors. The Meeting in Pusan is shown in Fig. 9.



Fig. 9. JOV Editorial Meeting in Pusan, Korea (March 3, 2007).

6. Conclusion

The collection as chronological history of JOV is summarized as shown in Table 1.

Table 1. History of JOV.

	Year, Month, Day	Matters
Down of JOV	1990.02.01	Established Corporation Visualization Society of Japan
	1990.06	Set up Committee of Publishing English Journal
	1993	Published Atlas of Visualization from Pergamon Press
	1993	Published Fantasy of Flow from Ohmsha, Ltd.
	1996	Published Atlas of Visualization from CRC Press
	1997	Published Atlas of Visualization from CRC Press
Birth and Growth of JOV	1998	Published JOV Vol.1 from Ohmsha, Ltd. Subscription fee was JPY15,000.
	1999	Published JOV Vol.2 from Ohmsha, Ltd.
	2000	Published JOV Vol.3 from Ohmsha, Ltd.
	2001	Published JOV Vol.4 from Ohmsha, Ltd.
Crisis of JOV	2002	Published JOV Vol.5 from Ohmsha, Ltd. Finished Support from Ohmsha, Ltd.
	2003	Published JOV Vol.6 from VSJ. Asked Printing and binding to Hyosung Co.(Korea).
	2003.07.22	Established System of Supporting Member (JOV). Member Fee was JPY15,000.
	2004	Published JOV Vol.7 from VSJ.
	2004.02.01	Ms. M, Kadowaki became a member of Secretariat.
	2004.02.09.	Talk with Dr, Fredrikson, President of IOS (in Tokyo).
Developing Time of JOV	2005	Published JOV Vol.8 from VSJ.
	2005.01.01	Contribution fee of Regular Paper was set JPY20,000.
	2005.04.01	Short Paper was added newly. Contribution fee was set JPY10,000.
	2006	Published JOV Vol.9 from VSJ.
	2006.09.09	Talk with Dr, Fredrikson of IOS (in Amsterdam).
	2007.	Published JOV Vol.10 from VSJ.
	2007.01.01	Frontispiece was changed to Portfolio Paper. Contribution Fee was set JPY10,000
	2007.01.01	E-Journal was started on Web site. Fee was set plus JPY5,000.

As the future aims of the society:

- 1) The Journal is published Bimonthly.
- 2) Impact Factor becomes over 1.
- 3) The time of a review process is 3 weeks and the time from submission to publication is within 3 months.
- 4) Increase the number of subscribers.

We are determined to make effort to realize the above 4 aims.

In conclusion, the author wishes to express cordial appreciation to Regional Editors who contributed to this Review Papers in Vol.10, No.1 and No.2. At the same time, he wishes to express heartily thanks to each member of Editorial Board who developed JOV to this present state with enthusiasm, to contributors and, of course, to subscriber.

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Author Profile



Yasuki Nakayama: He received his Ph.D. in Mechanical Engineering from Waseda University in 1963. He joined National Railway Technical Research Institute and conducted many research projects. After leaving NRRI, he has been a Professor of Tokai University, Japan, responsible for education and research on fluid mechanics. At present, he is serving concurrently as President of Future Technology Research Institute, Japan. His research interest is visualization. He has received a Medal with Purple Ribbon from the Emperor of Japan, and many distinctions and awards for his outstanding research. He has been a Visiting Professor of Southampton University, UK, President of the Visualization Society of Japan, and Director of the Japan Society of Mechanical Engineering. He is now Editor-in-Chief of Journal of Visualization.