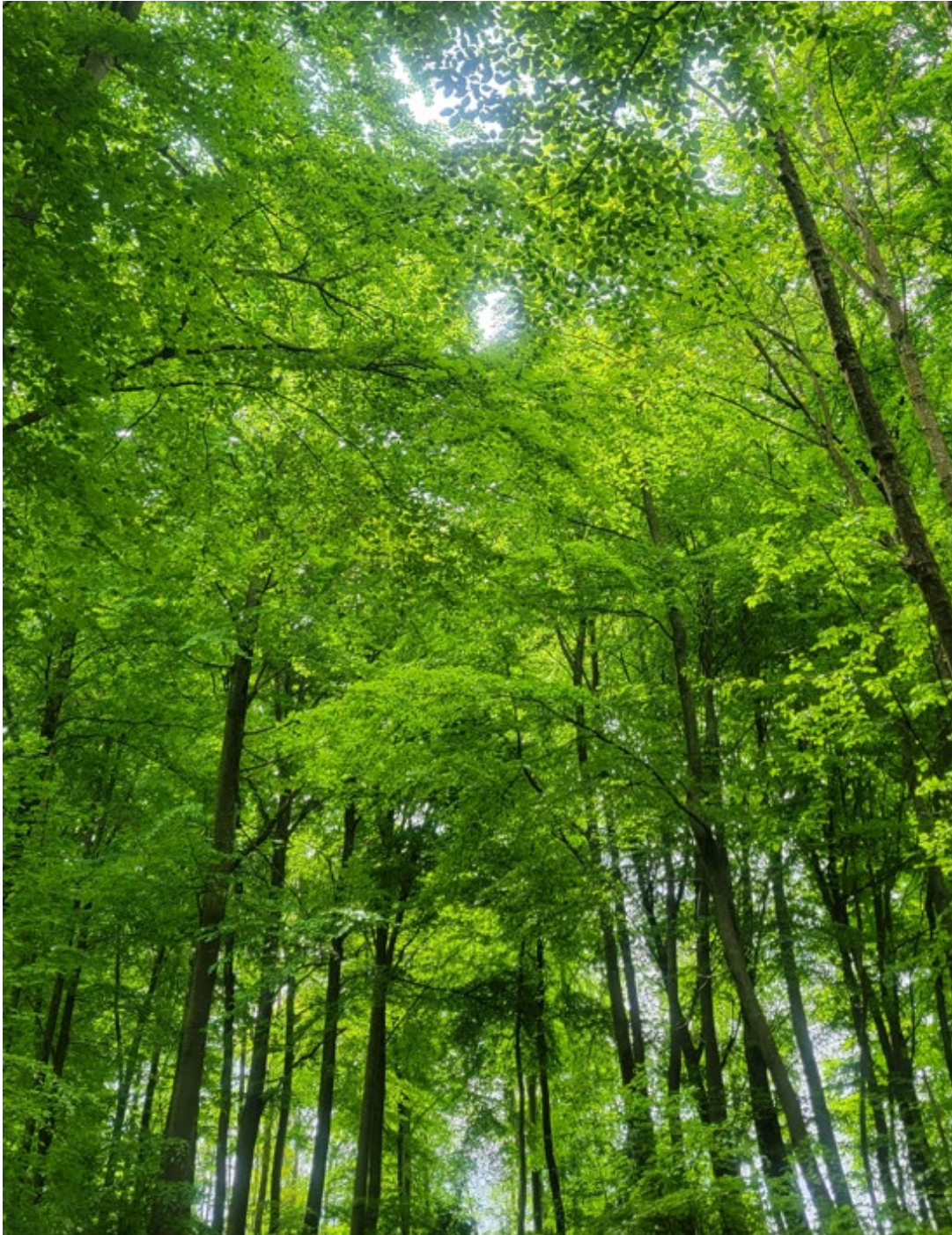




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JSPE Magazine Quarterly

The Japan Society of Professional Engineers



Topics

- **Report on the 23rd JSPE Annual Ordinary General Meeting**
- **Directors' Resolutions and Greetings from Retired Directors**

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Forest in early summer

This is a view of early summer in Bavaria, Germany. It is located at a higher latitude than Wakkanai in Japan. Summer temperatures are about the same as Wakkanai, but winters are about 10°C warmer. Although the region has been considered a pleasant place to live thanks to warm currents and the prevailing Climate change is one of the issues that engineers must consider.

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Topics-1: Report on the 23rd JSPE Annual Ordinary General Meeting

This year, the ordinary general meeting was held on Saturday, June 3 in a hybrid format using both the venue and the Web. This year, we held the first part "General Meeting", the second part "Special CPD Seminar", and the third part "Social gathering". You can watch the general meeting on YouTube below. <https://youtu.be/P22ro2lzets>

Part 1: Ordinary General Meeting

The ordinary general meeting was attended by 88 regular members (the total number of attendees at the venue and the WEB, as well as the prior exercise of voting rights and the number of delegates), and after confirming the requirements for the formation of the general meeting, 2022 Annual Activity Report and Financial Results Report (Proposal 1), Election of Officers for FY2023-24 (Proposal 2), and Deliberations were held on the FY2023 Activity Plan and Budget Proposal (Proposal 3). In addition, PEN members and FE members also participated through web distribution.

Next, we received [a video letter greeting from NSPE President Britt Smith, who was unable to come to Japan this year due to his busy schedule.](https://www.youtube.com/watch?v=85ptivNQwOc&list=LL&index=1)



Congratulatory Message from President Britt Smith

Regarding the agenda of the General Assembly, Chairman Nishikubo, who is the chairman, gave a Regarding the results and financial results of FY2022 activities, the annual goal of "building a base camp for domestic PEs" is (1) Satisfaction and expansion of member satisfaction with CPD seminars. In addition to the results of activities in the three points of (2) promotion of intergenerational exchange and expansion of membership network, and (3) strengthening the dissemination of information within the association, achievements and issues were reported. As for the results, we provided new continuing learning opportunities to members through self-running study groups, resumed on-site exchanges with NSPE, and The launch of a new collaborative relationship called E20 Summit and the increase in awareness of JSPE activities through the expansion of SNS advertising were introduced. Issues include improving member satisfaction and activity, creating a system to maintain and increase the number of members, not being able to stop the loss of qualification due to non-payment of membership fees for two consecutive years, CPD Diversification of seminar themes and securing sustainable lecturers, insufficient management resources and uneven burden of the association, insufficient awareness of the diversity of information dissemination and license value from the association, and continued consideration of how to utilize cash and deposit assetsThe item was reported. In addition, members who have made significant contributions to JSPE in FY2022 were commended, and the award members were announced. After a question-and-answer session with members regarding these activity reports, Proposal

1 was approved.

2022 Awards Member

Contribution to JSPE Magazine Editorial

PE-0010	Hitoshi Hirose Member	PE-0081	Hideki Kanno Member
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Contribution to facility tours

PE-0079	Yoshiteru Yamamura Member
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Contribution to CPD Seminar (Lecture)

PE-0151	Takeya Kawamura Member
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Contribution to the report of Hannover Messe (Magazine contribution)

PE-0265	Takenori Baba Member
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Regarding Proposal No. 2, "Election of New Officers," eight candidates for directors (five for reappointment) and two candidates for secretaries (one for reappointment) introduced themselves, followed by a question-and-answer session on measures to reduce the workload of directors, and Proposal 2 was approved.

Proposal 3: Regarding the FY2023 Activity Plan and Budget Proposal, Chairman Nishikubo said, "Gain our society values toward future generations!" We explained our activity policy based on the following three points.

- (1) Increase in member-led activities
- (2) Strengthen communication of PE licenses themselves
- (3) Enhancement of JSPE's membership value

In addition, the following contents were also discussed.

- FY2023 Activity Budget Proposal
- FY2023 Activity Plan and Annual Event Schedule

- Key points of the FY2023 Action Plan

(1) Increase in the degree of impact on society (number of members)

(2) Raising awareness of JSPE

(3) Maximizing the convenience of seminars

(4) Expansion of continuing education opportunities

(5) Strengthening relationships with NSPE and other overseas engineering organizations

(6) Redefining member needs and value of JSPE

(7) Revitalization of membership activities

(8) Transformation of operational resources: from inward-looking to outward-looking

The specific contents of each outline are as follows.

2023 JSPE Annual General Meeting	活動方針案
将来を見据えた会員価値の極大化	
<i>Gain our society values toward future generations!</i>	
<ol style="list-style-type: none"> 1. 会員主体の活動増加 2. PEライセンス自体に対する発信強化 3. JSPEの会員価値の向上 	
JSPE23-003 Jun 3, 2023	© JSPE 42

●Increase in member-led activities

Most of JSPE's activities are planned and operated by directors → participation by members. Although this method is effective when launching the activities of the association to a certain level, it involves the risk that the burden on the director in charge will become a bottleneck and not only will the upper limit be created on the activities of the association, but also the activities of the association will be affected by the increase or decrease in the resources of the directors. The study sessions that were started by directors lead and members in FY202 can be expanded to 1→3 themes in FY2022, providing members with different value from conventional seminars led by directors. 2 In FY2023, we would like to build a system that allows us to regularly grasp the ever-changing needs of our members, and increase activities that allow members to proactively participate in fields with high needs, not only through study sessions, but also in magazines, lectures, and collecting information at external events. In addition, we will raise the continuity of the association by reducing the burden on directors by introducing subscriptions to annual membership fees and utilizing internal and external resources such as support members on an event-by-event basis. In the past three years, there has been a lack of networking due to the Corona disaster, so we will strengthen our efforts to reach out to new members and active members by inviting some events that were previously paid for free of charge.

●Strengthen communication of PE licenses themselves

Conventionally, JSPE has disseminated information to society by focusing on event information. While this is effective for those who are interested in events, it is not enough to get people interested in PE and engineers themselves, and to make society aware of the value of PE licenses. The same content is only disseminated to the main SNS (Facebook/Instagram/Twitter), and although non-members and the general public have more opportunities to see JSPE's activities, they have not been able to fully utilize the characteristics of each medium. We will continue to search for effective ways to disseminate information, including the addition of advertising media, as well as the qualifications and systems of PE, the importance of PE and its role in society, NSPE and NCEES. We will improve society's awareness of PE licenses themselves by regularly and diversifying the fields and contents that have not been disseminated to the outside world so far, such as introducing activities, writing books, and making some magazine articles available to the public.

●Improvement of JSPE membership value

Japan in Japan, PE licenses have social value, but in addition to the fact that it is difficult to see the economic benefits, the cost of obtaining a license is much higher than that of other domestic qualifications such as engineers, so the psychological and economic hurdles to obtain are high. In the United States, since a PE license is a functional qualification, it is directly linked to income, so the benefits beyond the cost are often clear, but in Japan, the aspect of self-improvement is strong and often does not seem to lead to income. Therefore, by providing opportunities to increase the mobility of PE license holders, JSPE will consider activities that JSPE can support, such as aiming for career advancement through job changes and improving the economic efficiency of licenses. At the same time, by providing opportunities for members to participate in exchanges with related cooperating organizations such as NSPE/PII/PMI/JPEC, and the Association of Certified Engineers, we will provide opportunities for member exchange, which has tended to be lacking, and provide opportunities for external exchange, and revitalize the activities of the association. In addition, in addition to formalizing the on-demand seminar that started as a trial in FY2022, we will not only make it possible to take past seminars, but also introduce discounts on tuition fees to improve member value.

After a question-and-answer session with members about the contents of these activities, Proposal 3 was approved.

活動方針案

①会員主体の活動増加

JSPEの多くの活動：理事が企画・運営→会員が参加という形
(潜在リスク)：①担当理事の負担がボトルネックとなり会の活動に上限が生じる
②理事のリソース増減により会の活動が左右される

2021年度から開始した勉強会：
理事リード・会員主体で開始し、2022年度には1→3テーマに活動を拡大
従来の理事主体のセミナーとは異なる価値を会員に提供

過去3年間：コロナ禍を理由に会員間のネットワーキングが不足

2023年度：

- ①変化し続ける会員ニーズを定期的に把握できる体制を構築する
- ②ニーズの高い分野に会員が主体的に参加できる活動を増やす
(マガジン、講演、外部イベントへの情報収集など)
- ③内外リソースの活用により理事負担を軽減し会の継続性を底上げ
年会費に対するサブスクリプションやイベント単位でのサポート会員導入など
- ④一部有償イベントを無償招待し新規入会者やアクティブ会員への働きかけを強化

活動方針案

②PEライセンス自体に対する発信強化

従来の情報発信：イベント情報を中心にSNSでスポット発信
イベントに興味がある人に対しては効果的
(不十分) PEやエンジニア自体に興味を持つことやPEライセンスの価値を社会に周知
媒体ごとの特徴を活用しきれていない

2023年度：

- ①広告媒体の追加含めた効果的な発信方法を模索
- ②対外発信の乏しかった分野や内容についても定期的かつ多角的に広げる
(PE資格や制度、PEの重要性と社会での役割、NSPEやNCEESの活動紹介、
一部マガジン記事の一般公開など)
- ③PEライセンスの価値を社会に発信する書籍の執筆

活動方針案

③JSPEの会員価値の向上

日本国内のPEライセンス取得は心理的・経済的な取得ハードルが高い
・社会的な価値を持つものの、経済的なメリットが見えづらい
・ライセンス取得に要する費用が技術士等の他の国内資格よりはるかに高額
・日本では自己研鑽の面が強く収入に結びつくとは思えないことが多い

米国ではPEライセンスが職能資格であることから収入に直結するためメリットが明確

2023年度：

- ① PEライセンス保持者の流動性を高める機会を設けることで、転職などを通じてキャリアアップを目指すと共にライセンスの経済性を高める等、JSPEが支援できる活動を検討
- ② 関係協力団体との交流についても会員が参加できる機会を設ける
→不足していた会員交流の充足 & 対外交流の機会も提供 & 会の活性化
※8月のNSPECON、9月のE20 Summitに参加希望の方を募集中
- ③ オンデマンドセミナーを正式化
・過去のセミナーも再受講できるようにして受講機会を最大化
・受講費のディスカウントも導入し会員価値を向上



Explanation of the FY2023 Activity Policy by Chairman Nishikubo (Tokyo Grand Hotel)

Based on the opinions received at the general meeting, all officers will be engaged, so we ask for the continued opinions and participation of our members.

Proceedings, minutes, and video letters from the NSPE President's Meetings can be viewed from the "Board of Directors and General Meeting Minutes" tab after logging into the Members page of the JSPE website.

<https://www.jspe.org/member/report/>

Composition of the Officers' Subcommittee for FY2023

部会	担当役員
事務局	西久保 東功（会長・事務局長） 稲葉 光亮（副会長）、浅田 剛（副会長）、各部会長
企画部会	西久保 東功（部会長）、竹政 一夫（副部会長）、佐藤 寿和、 古谷 茂也、柳 英実
広報部会	西久保 東功（部会長）、佐藤 寿和（副部会長）、柳 英実
渉外部会	西久保 東功（部会長）、竹政 一夫（副部会長）、古谷 茂也
教育部会	稲葉 光亮（部会長）、古谷 茂也（副部会長） 西久保 東功、浅田 剛、村田 孝一
会員部会	浅田 剛（部会長）、佐藤 寿和（副部会長）、柳 英実（副部会長）
会計部会	稲葉 光亮（部会長）、西久保 東功（副部会長）、浅田 剛
監事	土屋 雅彦、泉山 浩郎

Part 2: Special CPD Seminar

In addition to the 48 participants, lecturers, and guests of honor who participated in the first part of the special seminar, 20 more people participated in the special seminar in Part 2 to learn about the latest trends in biofuel production technology.

Participants: 73 (64 PE members, 4 PEN members, 5 non-members, including lecturers)



Part 2 Special CPD Seminar Lecturer Dr. Fudano (Tokyo Grand Hotel)

Part 3: Reception

The social gathering following the Special CPD Seminar was attended by members and cooperating organizations who participated throughout the first part, as well as Dr. Sakanishi, who gave a lecture at the special seminar, and was moderated by Director Ota. The event was held for about two hours in a friendly atmosphere from start to finish.

In addition, at the social gathering, seven officers who will retire at the end of FY20 22 (Mr. Moriyama, Mr. Koguchi, Mr. Moriguchi, Mr. Ota, Mr. Fujimura, Ms. Ito, Mr. Uemura), there was a resignation speech from the board because it was possible to participate in the venue.



Part 3: Social gathering

At last

This year, we were finally able to resume the ordinary on-site general meeting. In the future, we would like to combine the advantages of online and on-site while expanding our services to our members, so we look forward to your continued support.



Commemorative photo after the event (Tokyo Grand Hotel)

(JSPE Officers)

At the Annual General Meeting on June 3, JSPE officers for the FY2023-2024 have been decided. We would like to share the resolutions of each directors below. In addition, we would like to share greetings from the directors who will retire at this annual general meeting.

Directors' Resolutions for 2023-2024

	<p>As a director for a total of six years since 2017, I have provided opportunities for interaction among members, information provision as a association, and continuing education mainly in the Planning Subcommittee and Public Relations Subcommittee. For the past two years, as chairman, I have been experimenting with how JSPE's operational resources can realize the gap between the needs of members and the services provided by JSPE, which have been highlighted by the coronavirus pandemic. As a result, the time constraints for attending CPD seminars have been eliminated, and it has become possible to provide opportunities for members to learn independently and independently, such as study groups, as well as conventional attendance types. However, the number of participants in various events is limited, and it cannot be said that the needs of members are sufficiently understood. In addition, although the recognition of JSPE and PE in Japan has been improved by SNS advertising, it is still only halfway through. Therefore, in FY2023-24, as my second term as president, I would like to promote the support that makes it easier for members to actively participate in various events, and the more active they are, the easier it is to receive support from JSPE, in other words, I would like to build a system that allows members to master JSPE. In addition, since the uneven and increasing operational burden of JSPE is also an issue for the continuity of the association, we will improve the efficiency of operational resources by revamping the membership management method such as annual membership fee subscriptions. I regard making JSPE a sustainable presence that is indispensable for domestic PE and all engineers aiming for PE as an issue to be addressed in 2023-24, and I would like to do my best as chairman.</p>
<p>Tokoh Nishikubo, Director (Chairman, Secretary General, Planning Subcommittee Chairperson, External Relations Chairperson, Education Subcommittee, Accounting Subcommittee)</p>	<p>I obtained PE qualification in 2014, became a full member of JSPE, and became a board member in 2017. Initially, we ran seminars as an education subcommittee, and since 2020 we have been in charge of the accounting subcommittee. Although my position at my place of work has improved since I started my board duties, and I have a child in my private life, I have become busier, but the Accounting Subcommittee, which plays a back-office role, has a certain amount of work per year and is expected to be able to carry out work in terms of resources, and in 2023, I would like to concurrently serve as the Education Subcommittee to select what to do and what not to do, and continue my activities.</p>
	
<p>Mitsuaki Inaba, Director (Vice President, Education Division Chairman, Treasurer Chairman)</p>	



Tsuyoshi Asada
 Director
 (Vice-President,
 Membership
 Chairman, Education
 Subcommittee,
 Accounting
 Subcommittee)

I work for an industrial machinery manufacturer. I have 15 years of experience in gear machine design and estimation. Currently, I am in charge of 3D printer work. In the gear machinery field, I have been meeting specifications with customers in China and the United States for a long time in Japan, and have also experienced service support. Especially in the United States, I was stationed in Michigan for three and a half years, where I was able to share my hardships with the national staff and gain experience working internationally. In addition, we are communicating with Sweden regarding 3D printers, and I feel that there is no longer a job that can be completed only by Japan.

It has been a long time since there has been a call for internationalization, but many of the actual operations in companies are based in Japan, and there are almost no opportunities to use a second foreign language (especially English). In the meantime, China and the Republic of Korea have emerged, leaving behind Japan and I feel that our status as a technology-oriented nation is declining.

Therefore, in order to break through this current situation, we believe that human resources who have both specialized knowledge and experience and can carry out work using a second foreign language are necessary.

Considering this, I believe that my own experience can contribute to the development and support of human resources who can play an active role internationally, which is one of JSPE's missions.

In addition, I feel that the process of obtaining CPD after state registration and the activities to acquire CPD after registration are beneficial for fostering engineers who can play an active role internationally. I believe that by sharing my own state registration experience, Japan engineers will be interested in the PE qualification in the United States, which in turn will help them improve their technical capabilities.



Shigeya Furuya,
 Director
 (Planning
 Subcommittee,
 External Relations
 Committee,
 Education
 Subcommittee)

My name is Furuya, and I have been appointed as a board member. I belong to the Public Relations Committee, the Education Subcommittee, and the Planning Subcommittee.

In an era where the future is becoming increasingly unpredictable, I feel that the social role of engineers is increasing more and more. In particular, in the field of global environmental problems (including not only global warming but also problems such as food, water, energy, etc.) and carbon neutrality, which is considered to be the solution, we recognize that it is necessary to design the ideal future, and that engineers are required to contribute.

JSPE brings together engineers from various specialized fields and interacts with domestic and overseas engineering organizations, so I think we are in a position to collect and fuse various knowledge and experience. Therefore, I think it is a suitable organization to contribute to solving the above-mentioned problems (future design).

I hope that JSPE will promote exchanges not only among members but also with other organizations, provide a place for sharing and exchanging various knowledge and experiences, and as a result, JSPE will be able to contribute to solving social problems.

It is difficult for directors to achieve this alone, and the cooperation

	<p>of members is indispensable. We invite you to participate in JSPE's activities and share your opinions and knowledge. Thank you.</p>
 <p>Hidemi Yanagi, Director (Planning Subcommittee, Member Subcommittee)</p>	<p>I participated in the study sessions two years ago and last year, and I was very stimulated. It is no exaggeration to say that this led to a career change. Until then, for about 20 years after acquiring and registering as a PE, I was a passive member who only occasionally participated in CPD seminars as a participant, but through participating in study groups, I realized that it is important to learn by yourself. I was really inspired by the people I met through the study group, and I was able to realize the benefits of being a JSPE member. Therefore, during my two-year term, I would like to make every effort to promote exchanges among members and the exchange and sharing of information in a better way.</p> <p>For example, I would like to investigate the circumstances of changing jobs using PE qualifications, and I think it is important to know the value and evaluation of PE qualifications in terms of the status of use of PE qualifications within companies, registration for core qualifications, and cost subsidies. I would also like to think about how JSPE management can become truly sustainable without becoming excessive volunteer work. There are many things I want to do, but I will reconfirm what my predecessors have built so far and start with what I can do.</p>
 <p>Kazuo Takemasa, Director (Planning Subcommittee, External Relations Committee)</p>	<p>Twenty years have passed since the establishment of the Japan PE Association, and it seems that recognition of PE engineers in Japan society and securing opportunities to play an active role in society have progressed to a certain extent. Therefore, although he was appointed as a director with the following business goals for fiscal 2021, face-to-face dialogue was rarely realized due to the influence of Covid-19, and we would like to realize it this time. We believe that we have made a certain contribution to strengthening our relationship with NSPE and JPEC. This time, he will run for the board of directors and aim to achieve the following:</p> <ul style="list-style-type: none"> • Investigation of support activities to develop independent business as a PE in the activities of the Society. semi <p>I want to start preparing it. (Investigating what is possible to support the activities of independent technical offices to PEs, preparatory meetings among practitioners, etc.)</p> <ul style="list-style-type: none"> • In the role of the Society as an NPO and the global technology competition in each business field, we will conduct research on how to respond to the decline in the relative technological capabilities of Japan society. Make recommendations to society.
 <p>Hisakazu Sato, Director (Planning</p>	<p>Continuing from 2021 to 2022, I am Toshikazu Sato, who will serve as a board member. I got PE in 2013 and joined JSPE.</p> <p>By actively incorporating new digital tools and other methods while inheriting JSPE's efforts for member exchange that have been carried out so far, JSPE members can create a state where they know each other regardless of physical distance, and share and develop each other's wisdom. We would like to contribute by providing better member services and building a system that allows you to enjoy the benefits of being a JSPE member. Thank you for your cooperation.</p>

<p>Subcommittee, Public Relations Subcommittee, Member Subcommittee)</p>	
 <p>Koichi Murata, Director (Education Subcommittee)</p>	<p>My name is Murata, and I have been appointed as a new JSPE Director this year. Currently, I am in charge of overseas business at an electric power equipment engineering service company. After passing the PE exam in October 2019, I joined as a PEN member in February 2020 because I wanted to receive support for registration. Later, with the support of the Members' Committee, Education Committee, and others, we were able to complete our registration in North Carolina.</p> <p>Since then, I have been able to participate in CPD seminars as a PE member from time to time, providing various opportunities for self-improvement, and I have been very indebted to JSPE, and I hope to return the favor in some way.</p> <p>Based on the above circumstances, by being involved in the management of the Education Subcommittee, we hope to contribute to expanding opportunities for self-improvement of members, forming diverse member networks, and raising awareness of PE. Thank you.</p>
 <p>Masahiko Tsuchiya, Auditor</p>	<p>I will continue to serve as an auditor in fiscal 2023.</p> <p>For 10 years from 2003, as a JSPE director, I was in charge of the Accounting Subcommittee, the General Affairs Subcommittee, and the External Affairs Committee, and was in charge of the roles of Vice Chairman (2005~2008) and Chairman (2009~2012). I have done everything including practical work.</p> <p>In addition, through my 45 years as a salaried worker, including 7 years of long-term overseas assignment, I have been in charge of not only engineering work but also overall company management including accounting, general affairs, and human resources as the head of the corporate planning department at the head office, and I am currently running an independent management consultant as a sole proprietor. Utilizing my experience in Japan and overseas, I would like to contribute as an advisor to the management of NPOs with more active and transparency.</p>
 <p>Hiroo Izumiyama, Auditor</p>	<p>With the retirement of JSPE Auditor Uemura, this is Hiroo Izumiyama, who became the new auditor. I would like to contribute to JSPE activities in my own way over the next two years.</p> <p>As a director of JPEC, a JSPE partner organization, he was entrusted with the chairmanship of the examination department for several years from 2011, and was responsible for the examination execution at the Japan as the chief proctor who was fully responsible for the examination. At that time, it was not uncommon for the total number of PE and FE examinees to exceed 400, and it was difficult to secure a proctor. Although things have changed since CBT is now performed by an external testing institution.</p> <p>I remember that we were able to secure the necessary number of proctors on the day of the exam thanks to everyone at JSPE, and we were able to carry out the test execution work without any problems. Since the number of people from outside the Kanto</p>

	<p>region had to cooperate, we provided travel expenses for one night and two days to JSPE people who could go from rural areas to cooperate. It reminds me of the proctor briefing session in the afternoon before the exam, the evening social gathering, and the shift management on the day, and I was very helpful in that section.</p> <p>Before I turned 70, I decided to run for auditor because I wanted to contribute something to JSPE, which I had helped when I was a JPEC board member. According to VISION2030, internationalization, ethical standards, and diversity seem to be the focus of the activity. In order to realize this policy as planned, I would like to use my knowledge and experience to give advice and point out, and sometimes I will speak out frankly about the commandments.</p>
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Greetings from Retired Directors

 <p>Tsutomu Koguchi, Director (FY2013-2022)</p>	<p>From fiscal 2014 to fiscal 2022, he served as a director of the General Affairs Subcommittee, the Membership Subcommittee, the Accounting Subcommittee, and Vice Chairman. For 9 years, I was able to interact with many people, including members and organizations, and I was able to have various experiences that were different from the normal work of the company. During that time, I remember having the opportunity to participate in the NSPE General Assembly, the intensive study meeting in Atami, and the 20th anniversary of the company's founding. It was unfortunate that for the last three years of my term of office, there were restrictions on direct interaction between members due to the Corona disaster, but on the other hand, remote seminars were able to be held normally.</p> <p>The reason why I became a board member in the first place was that my own state registration experience and various advice and information were useful for state registration, but I thought that the benefits I received in such a way would be passed on in order. Even if I leave the board, I would like to participate in activities as one of the members.</p> <p>I would like to thank everyone who gave me this valuable opportunity. I hope that we will continue to be aware of VISION 2030 and carry out active activities under the leadership of Chairman Nishikubo in accordance with our activity policy.</p>
 <p>Ryo Moriyama, Director (FY2013-2022)</p>	<p>As a member of JSPE, I gained valuable experience for nine years from 2014 to 2022. Thank you from the bottom of my heart.</p> <p>During this time, I was involved in a wide range of tasks, including being in charge of the Education Subcommittee and the Public Relations Committee. I am very pleased that I was able to interact with members and cooperating organizations such as NSPE through the CPD seminar.</p> <p>In addition, I was given the opportunity to serve as president in the 2019-2020 academic year, during which time I was able to fulfill my responsibilities related to the overall operation of the organization. This experience has grown a lot in my life and was a valuable learning experience.</p> <p>I will retire after completing my term as a director, but from now on, I would like to support JSPE's activities as a PE member and</p>

	<p>continue to cooperate with the directors and auditors who run the board of directors to the extent that they do not disturb me.</p> <p>Finally, I would like to express my deepest gratitude to the JSPE members, JSPE officers, and related parties I met during my time as a board member.</p> <p>We sincerely wish JSPE continued development and success in the future.</p>
 <p>Tomoki Moriguchi, Director (FY2013-2022)</p>	<p>I will retire as a director in 2022.</p> <p>It has been 10 years since I participated in the management of JSPE as a director for the first time.</p> <p>It was a very valuable experience in my life to have the opportunity to interact with many members through JSPE's board of directors. I would like to express my gratitude once again.</p> <p>As a board member, I have serious doubts about whether I was able to work in a way that satisfies all members, but I believe that I have worked as hard as I can to fulfill the role I have been given. Unfortunately, I was not able to serve as a director at all for the last year due to personal matters, and I am truly sorry to the other directors and members.</p> <p>I myself will become a member from now on, but first of all, I would like to make efforts to improve my own environment so that I can continue to participate in JSPE activities.</p> <p>Last but not least, I would like to express my sincere wishes for the future development of JSPE and the success of all its members, and would like to express my gratitude for your resignation as a board member. Thank you very much.</p>
 <p>Kosuke Ota, Director (FY 2019-2022)</p>	<p>From 2019, I served as the president of the Education Department for two terms and four years. I think there were many shortcomings, but with the support of other officers and members, we managed to continue holding educational events such as seminars. Thank you again for your understanding and cooperation.</p> <p>During my tenure, due to the COVID-19 pandemic, we changed the format of holding educational events to an online main method. This year, various restrictions due to the corona disaster have finally been lifted, and I think that there will be more opportunities for JSPE events to be held in a face-to-face format again in the future. I think it is possible to hold a hybrid format event that is conducted online and face-to-face at the same time, but in that case, the burden on the management side will be greater than before. I will step down from my position as a board member, but for the time being, I will help prepare and run educational events as a member of the Education Subcommittee. If you are interested in activities as a board member but are reluctant to suddenly become a board member, please consider being involved in the planning and management of JSPE events as a club member or spot supporter.</p> <p>Our Vision of VISION 2030, which was established on the occasion of JSPE's 20th anniversary, includes the phrase "Create a system for members to help each other improve individual engineers." We apologize for this impudent request, but we hope that members will once again think about what role they can play in helping each other. We hope that the actions of our members to the extent</p>

	<p>possible will create a synergistic effect and further energize JSPE's activities.</p>
 <p>Nobutaka Fujimura, Director (FY 2019-2022)</p>	<p>I am Fujimura, who served as a director of the Member Subcommittee and the Public Relations Subcommittee for four years from 2019.</p> <p>With the hope of supporting aspiring people who are active on the world stage as much as possible, we have been requesting and editing new membership procedures and various testimonials. Many people have come to JSPE for exams, state registration information, and support after doing their own research, and we hope that we have been able to contribute even a little.</p> <p>In addition, the JSPE directors are all very motivated by the fact that they are all working with a high level of awareness despite their busy public and private activities. I am grateful for this valuable opportunity. Once again, I would like to express my gratitude to all the directors and members.</p> <p>In the future, we will participate as a member and hope for the further development and success of JSPE and engineers.</p>
 <p>Hiroshi Ito, Director (FY2021-2022)</p>	<p>In the 2021-2022 academic year, I served mainly in the Planning Subcommittee and retired this time.</p> <p>In my main business, I am involved in everything from development to operation at a renewable energy operating company, and 2021 was also the year that carbon neutrality came up. We started the Renewable Energy Study Group in FY2021, divided it into three themes, held a report session on the results, and continued to support the operation of the study group in FY2022. Over the past two years, I have been able to make horizontal connections with JSPE directors, auditors, and other members through the management of the board of directors and study sessions, which has been an asset for me. I think that there were some shortcomings in the activities of the directors, but I would like to continue to enliven JSPE's activities together with you.</p>
 <p>Daisuke Uemura, Auditor (FY2013-2022)</p>	<p>He has been a director for 10 years, 3 years, and an auditor for 9 years. I have retired from the board of JSPE after a quarter of a century. During this time, I met many people and was able to share various new values, which became an irreplaceable asset for me. Thank you very much.</p> <p>Looking back, I realize that JSPE has "evolved" in line with the times, or rather, in a way that is ahead of the times.</p> <p>First of all, I would like to talk about seminars and vents. Initially, most of the meetings were organized by the Board of Directors. In recent years, however, there has been an increase in the number of members setting up study groups themselves, gathering their peers, and summarizing the results. In recent years, Japan companies have also started to study new things for their employees under the name of "re-killing." However, re-killing is not something that is sponsored by a company, but should be something that individuals should think about their own aptitude, reconsider what they want to do, and collect the material themselves. In this respect, JSPE's seminars are a pioneer in the true risk killing.</p> <p>I also feel that JSPE members are moving to new companies and</p>

	<p>advancing their careers much more than before. In May of this year, I moved to my seventh company. I am the project manager for a company that develops and builds data centers headquartered in Singapore. The job posting also clearly stated "Professional Engineer License" as a Preferred Qualification. Based on my own experience, I have emphasized at JSPE that employment mobility is the first issue that Japan must tackle, and I feel that PE qualification is the catalyst for this, and JSPE is the one implementing it.</p> <p>Thinking about it in this way, I realize that even after retiring as an officer, there are many things that I should work on as a member. Let's continue to create the trend of the times together with you.</p> <p>We look forward to your continued support.</p>
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The retirement address of Director Ryogo Honda (FY 2021-2022) will be omitted due to various circumstances.

(JSPE Officers)

Members who have newly registered or passed the FE/PE exam are as follows. Congratulations to all of you.

*Autumn 2018 (Vol. 43) The text of the experience report has been posted on the web.

<https://www.jspe.org/member/magazine/magazine-index/>

* Some browsers may not be able to open the file properly. If it fails, please reopen the file in a different browser.

(Verified browsers: Google Chrome, Microsoft Edge, Internet Explorer)

* The latest exam information and the path to passing and registering are very valuable information, so if you are a member who can provide information, please contact the Public Relations Subcommittee (public.2007@jspe.org).

PE Registration

Membership Number identity	State of registration field	Date of registration	Testimonial URL
PE-0329 Atsushi Ito	North Carolina Civil	2023/1	https://www.jspe.org/member/wp-content/uploads/sites/2/2023/06/2023_NC_Civil.pdf
PE-0332 DONG SI HUY Dongxihui	Oregon Electrical	2023/5	https://www.jspe.org/member/wp-content/uploads/sites/2/2023/06/2023_OR_Electrical.pdf

PE test

Membership Number identity	field	Date of examination	Testimonial URL
FE-0429 Takanori Sato	Civil	2023/5	https://www.jspe.org/member/wp-content/uploads/sites/2/2023/06/202305_PE_Civil.pdf
PEN-0238 Masashi Nishino	Civil	2023/3	https://www.jspe.org/member/wp-content/uploads/sites/2/2023/06/202303_PE_Civil.pdf

FE test

Membership Number identity	field	Date of examination	Testimonial URL
FE-0429 Takanori Sato	Civil	2023/4	https://www.jspe.org/member/wp-content/uploads/sites/2/2023/06/202304_FE.pdf

Winter 2023

2023年 冬号

On Ethics: A Source of Inspiration
BER cases provide insight on the growth of
the profession

倫理：インスピレーションの源
BERの事例は技術の専門性の向上に役立つ



BY DAVID KISH, PH. D., P.
E., F.NSPE

著者：DAVID KISH, PH. D., P. E., F.NSPE

You are pretty sure that your firm is covered by professional liability (PL) insurance — but how does that policy apply to you personally? In this column, I'll answer engineers' frequently asked questions on this topic.

Since its founding, NSPE has supported engineers with keeping ethics at the forefront of their professional practice by providing valuable resources and expertise. The NSPE Board of Ethical Review is a panel of experts serving as the profession's guide through ethical dilemmas. Every year, the board releases ethical review cases that address topics such as confidentiality, conflicts of interest, duty to report, employment, licensure, and the public health, safety, and welfare. As a long-time NSPE member, I look to BER cases for guidance on the challenges we face as professional engineers. I find past cases to be sources of inspiration, and they provide insight on how our profession has evolved.

あなたは、自身の会社は専門職業人賠償責任保険で守られていると間違いなく思っているだろう。しかし、それはあなた個人に適用されているだろうか？多くのPEが問題視するこの問題に対して、本稿でお答えする。

設立以来、NSPEは最前線で倫理を維持しながら働くPEに対して貴重な事例と助言のサポートをしてきた。

NSPE倫理審査委員会は倫理の難問に対して、技術的助言を行う委員会である。毎年、委員会は守秘義務、利害対立、報告義務、雇用、資格及び公共の健康、安全及び福祉の倫理問題に対処する見解を発表してきた。

私はNSPEの一員として長い間、PEが直面する課題に対する助言のBER (Board of Ethical Review, 倫理レビュー委員会) 事例を見てきた。過去の事例はインスピレーションの源であり、技術の専門性の向上の方向性を与える。

I'd like to share some thoughts about an interesting and older BER case – case 63-6 on conflicting engineering opinions.

Facts:

A state legislature has pending various bills involving water supply, flood control and production of electric power. The most efficient and economical method to achieve the desired result has been debated within the legislature and among the citizenry generally for several years. Hearings are called by a committee of the state legislature to receive comments and recommendations on the various proposals which have been offered. A professional engineer representing the state power commission testifies that engineering studies by him and his professional colleagues indicate the most efficient solution from an engineering standpoint is a series of low dams. Another professional engineer, representing a private power company, testifies that his engineering analysis indicates a more effective and less expensive solution, producing the same results, by using one high dam. Each engineering witness submits voluminous engineering data in support of his position, and freely criticizes the analysis and findings of the other.

Question(s):

Is there a violation of the Canons of Ethics by one or both engineers in offering conflicting opinions or in criticizing the work of the other at a hearing on an engineering project in the interest of the public?

PE の見解が対立する BER 事例 case 63-6 は過去の興味ある事例であり、以下に共有する。

状況

州議会には水の供給、洪水対策、発電などの多数の未処理の法案が山積みされている。最も効果的で、経済的な結論を得るため、数年にわたり議会内及び一般市民の中で議論がされてきた。多種多様な提案に対するコメント及び推奨を得るために州議会の委員会による公聴会が開かれた。

州の電力委員会の依頼を受けた PE は、彼と同僚の PE の検討では、複数の高さの低いダムが最も効率的な解決策であることを証言した。

一方、民間電力会社の依頼を受けた PE は、彼の分析では、最も効果的で低予算の解決策は一か所の高さの高いダムを造ることだと証言した。

それぞれのエンジニアリングの証人は、自らの立場を守る為、膨大な資料を提出し、他の証人の分析と調査結果に対し自由な批判を行った。

質問

公共の利益の観点から、エンジニアリングプロジェクトの公聴会で、一方もしくは双方の PE が相反する見解を提出もしくは相手の提案を批判することは倫理規範に違反するか？

Discussion:

Some aspects of an engineering problem will admit of only one conclusion, such as a mathematical equation, but it is a fallacy to carry this statement to the ultimate conclusion that all engineering problems admit of only one correct answer. Particularly in large and complicated engineering problems, such as a water-power complex, there may be many approaches, all based on sound engineering principles. Large public projects are notably in this category, and the approach finally adopted may properly reflect not only engineering diagnoses, but also determinations of public policy. Engineering judgment from exclusively an efficiency and cost standpoint may conclude that a proposed highway should be built through the heart of a heavily populated residential district. Public policy may dictate, however, that the highway should be built at greater cost and less efficiency through a lightly populated area. An engineer who presents either point of view cannot be said to be "incorrect."

Conclusion:

It is not unethical for engineers to offer conflicting opinions on the application of engineering principles, or to criticize the work of another engineer, at hearings on an engineering project, in the interest of the public, provided such criticism is offered on a high level of professional.

The conclusion is not surprising; we can look to Code of Ethics sections II.3, III.2, III.6 and III.7 for guidance.

議論

エンジニアリングの問題に対して数学の方程式のように一つの答えのみを求める考え方がある。しかしすべてのエンジニアリングの問題に対して、一つの答えのみを認めることは誤りである。

特にダムによる水力発電所などの大規模で複雑なエンジニアリング問題は、妥当なエンジニアリングに基づく、いろいろな角度からの取り組みが行われる。

大規模な公共施設のプロジェクトは取り分けこのカテゴリーに入り、エンジニアリング診断のみならず公共政策の決定を反映して、最終の取り組み決定がなされる。

例えば高速道路のルート提案の場合、効率と経済性のみからのエンジニアリング判断では住宅地の中心を通るルートの建設が採用される。

しかし市民の意見は、コストがかかり非効率な、市街地を外れたルートの建設であるかもしれない。

どちらの見方をする技術者も「間違っている」とは言えない。

結論

エンジニアリングプロジェクトの公聴会でエンジニアリングの原則の申請において相反する見解を提示すること、又他の PE の検討について公共の利益の立場で批判をすることは、そういった批判が高度な専門性にに基づいている限りは、倫理上問題は無い。

この結論は倫理規範 sections II.3, III.2, III.6 and III.7 に記載されているので驚くことはない。

This case is particularly interesting to me because it brings together several threads I have considered recently. First, it draws an analogy to highway routing problems engineers faced starting in the 1950s during the construction of the interstate highway system. Decades after those roads were constructed, we find discussion in the popular press about discrimination in route selection and adverse social impacts that resulted from conflicts between efficiency/cost and public policy. What should engineers and the public consider when making decisions about large, complicated, and long-lasting projects?

The other reason this case is fascinating is that it bears a striking resemblance to the debates surrounding a proposed high dam or series of low dams for Hells Canyon on the Snake River in the 1950s. While serving as US Senate Majority Leader in 1957, Lyndon B. Johnson used the Hells Canyon controversy as leverage to help pass the Civil Rights Act of 1957. This was the first federal civil rights legislation passed by the United States Congress since the Civil Rights Act of 1875. If this case has some basis in the Hells Canyon debate, it is sadly ironic that a situation used to advance the Civil Rights Movement draws a parallel with highway route selection.

1957, or more precisely the period from July 1, 1957 to December 31, 1958, was also the International Geophysical Year (IGY) – really an international scientific project that helped bring about scientific interchange between the East and the West which had, until that point, been

なぜなら最近検討しているいくつかの話題を関連させて結びつける事に役立っているためである。

第一に、PE が直面した 1950 年からの州間高速道路の建設ルート問題と類似している。

道路が建設されてから数十年経過した後に、大衆紙がルートの選択の差別と、効率性/コストと公共政策との間の対立から生じた社会に対する負の影響の論争を取り上げた。

複雑で大規模且つ長期間のプロジェクトを決定する場合 PE 及び市民はどうすれば良いか？

この事例が魅力的な他の理由としては、本事例は 1950 年代の Snake 川の Hells Canyon に建設するダムに関する、一カ所の背の高いダムと複数の背の低いダムの議論に驚くほど似ている。

一方米国上院多数党院内総務の職である Lyndon B. Johnson は Hells Canyon の議論を利用して 1957 年の公民権法を成立させた。

1875 年の公民権法以来、米国の議会を通過した最初の公民権法である。

もし本事例が Hells Canyon の議論に基づくものであれば、高速道路のルート選択に合わせて皮肉にも公民権運動を盛りあげる状況となる。

1957 年、より正確には 1957 年 7 月 1 日から 1958 年 12 月 31 日は国際地球観測年 (IGY)、すなわち東西諸国の科学交流を促す国際科学プロジェクトの年であった。ただし冷戦により中断となった。

I.G.Y は有名なロックグループ Steely Dan の Donald Fagen の歌で、当時の技術の明るい見通しが歌詞になっている

interrupted by the Cold War. "I.G.Y" is also a song by Donald Fagen (of Steely Dan fame). The optimistic view about technology at that time is captured by some of his lyrics "here at home we'll play in the city, powered by the sun" and "a just machine to make big decisions, programmed by fellas with compassion and vision." Those lyrics reflect a spirit of the time; engineers and scientists can objectively apply their skills to make big decisions. Unfortunately, as BER case 63-6 points out, there is not always one right answer and competent engineers can disagree about proposed solutions. Recent additions to the NSPE Code Ethics including III.1.f (treating all persons with dignity, respect, and fairness, and without discrimination) and III.2.d (sustainable development) provide more guidance to us today than our peers had in 1963.

A resource that was more readily available to our colleagues in the 1950s and 1960s is the book *The Ugly American*. It was a best seller in 1958, and although its topic is not engineering, one of the book's main characters,

Homer Atkins, is an engineer. Atkins is also concerned with rural water supply, and he develops a simple bicycle-powered water pump to serve the public health, safety, and welfare. Although not as readily available today as the NSPE Code of Ethics, I recommend *The Ugly American* to you as a thought provoking read.

When I started writing this article, I had no idea that the years 1957 and 1958 would play an important part in what I had to say.

“遠慮はいらない、町で遊ぼうぜ。太陽の力で。マシンが大事な決定をするよ。

それは思いやりと将来の展望のある奴らにプログラムされているのさ。

この歌詞は技術者と科学者は英知を結集して大事な決定を行えると思われていた潮流が当時あったことを示している。

しかし BER 63-6 で指摘するように、いつも解決策は一つだけあるわけではないので、PE は提案された解決策に反対する事は可能である。

III.1.f (PE はすべての人に対して差別せず、威厳と尊敬の念を持ち公平でなければならない。)を含めて NSPE 倫理規範は 1963 年代の技術者よりも、今日の PE に対して多くのアドバイスを提供している。

1950 年代、1960 年代の技術者が、より容易に入手出来たリソースは、*Ugly American* という本である。その本は 1958 年のベストセラーであり、その主題はエンジニアリングではないが、主人公のひとりである

Homer Atkins は技術者である。彼は地方の給水に関心があり、自転車駆動の水供給ポンプを開発し、地域の健康と安全と福祉に貢献した。

NSPE 倫理規範ほど容易に入手出来ないが、*Ugly America* はいろいろ考えさせられる書物として、推奨する。

本稿を書くに当たり、私が主張したい重要な事項に 1957 年及び 1958 年がこれほど役割を果たすとは思っていませんでした。

I hope that it reminds you that ethics has a wonderful tendency to string together what seem to be separate parts of our life. I also hope NSPE members, students, and engineering professionals will take full advantage of all of the free ethics resources available, particularly BER cases that have been published since 1958. Use these cases to strike up important discussions about ethics and the important role of the professional engineer, in the past and going forward.

Translate PE0081 H.Kanno
Translation Supervisor PE0145 Y.Suzuki

倫理は我々の生活の別々の部分をつなぎ合わせる素晴らしい特質がある事を理解してほしい。

更に NSPE メンバー、学生及び PE が無料で倫理資産、特に 1958 年以降に発行している BER の事例を役立たせる事を願っている。

これらの事例を利用して、過去と未来における PE の倫理及び重要な役割に関する議論を進めることは重要である。

翻訳 PE0081 神野
監訳 : PE0145 鈴木

<Ethics reviewer's comments on this NSPE article>

This time, many subjects were cited, including lyrics, discussions of past projects, and best-selling books, which one would have to be a US resident to understand. It was very much out of my control, so I was indebted to ChatGPT for some background information. Without the teachings of ChatGPT, these citations would have existed in pieces and I would not have understood the author's main point.

This time, from the April and June issues of NCEES' web magazine "Licensure Exchange", we will introduce topics that may be especially useful for PE and PE examinees in Japan.

[April-2023-LEx-flip.pdf \(ncees.org\)](#)

[June-2023-LEx-flip-1.pdf \(ncees.org\)](#)

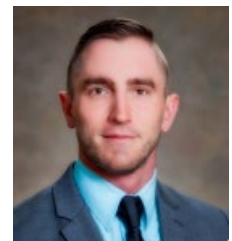
The NCEES is currently preparing for its annual meeting. The motion was confirmed at the State of the Council meeting on June 7, followed by a summary of the motion and the committee's report, which will be published in June, and participants will proceed with their preparations. David Cox of C EO expects each participant to be fully aware of these contents and the discussion and voting procedures. Nowadays, we are used to remote meetings, and even if we are not prepared enough, we look for P C or files in the cloud during the meeting ... It tends to come out with such spoils. I would like to keep in mind "thorough preparation" on a regular basis. The Annual Meeting will be held in Boston, Massachusetts on August 15~18.

Well, this time I would like to introduce this article.

1. **Volunteering is a Valuable Opportunity** (April issue, p.7 "Volunteer opportunities provide valuable experience")
2. **Exploring the Concept of a New Licensing Model** (June issue pp.2-3 "Task force develops concept for new licensing model")
3. **The Next Generation of Global Problem Solvers** (June issue, pp.8-9 "The next great generation of problem solvers is already here")

1. Volunteering is a valuable opportunity

NCEES Be a volunteer of Bradley Roberts, P.L.S. talks about his volunteer experience when he was younger. 「young頃, I was looking for a career that would enrich not only my life, but also the lives of those around me....As a young man, I worked as a field worker in Southern Louisiana during the summer. As I grew up, I felt a sense of closeness. surveying I was able to see it up close and do it well. I was convinced that this was my future." Then Roberts Mr. At the age of 26 Louisiana In the state P.L.S. but continued to volunteer. 「**My next step was in the form of service to others. I had a strong sense of mission to give back to the profession that gave me purpose....**In 2015, I joined 12 other young people as a member of the NCEES Emerging Engineers and Surveyors group.」。



Bradley Roberts, P.L.S., who has volunteered for NCEES for many

Volunteers who contribute to future engineering development

This group of N CEES was tasked with reviewing the licensing process and providing input on it. Since then, Mr. R Oberts has continued to volunteer to improve his surveying skills and now works as a volunteer for NCEES' PS Test Development Committee. **Volunteering is a way to give back to your profession and shape your future.** Our actions determine that future. If you are reading this, why don't you take an interest in volunteer activities and use your skills and knowledge to develop engineering in the future?

2. Explore the concept of a new licensing model

The current license for U.S. Professional Engineers is a single hierarchy, although FE is positioned as an "engineer apprentice." For example, there is no such thing as "P E 2nd grade" or "PE1st grade". NCEES launched a task force in 2020 to create a more comprehensive model that includes a phased, hierarchical licensing system. We have been considering the possibility of adoption. As a result of investigating non-engineering licenses such as medical and engineering licensing systems around the world, we came to the conclusion that this kind of step-by-step, hierarchical system is not optimal. However, it seems that they are not satisfied with the status quo, but are thinking of diversifying the path of obtaining a license even more than they are now by strengthening work experience and lifelong learning.

Diversify and clarify the work experience requirements required to obtain a license

NCEES President Christopher Duhamel (P.E., P.L.S.) Under the decision of Task Force Continues and are accelerating this new initiative. Yes. Duhamel Mr. To the Task Force, **Rubric to track and identify key skills and competencies from graduation to first license** (Rubric, an evaluation criterion for learning achievement, point of view と scale Consists of 表 Shown as) **Create** and provide strategies for building new licensing models Ordered to. By this **The work**



CHRISTOPHER DUHAMEL, P.E., P.L.S.
NCEES PRESIDENT

experience required to obtain a license is clear to applicants, mentors and employers It comes to. In order for this to be available to state boards, it must be inclusive and non-barrier-free, while protecting the health, safety, and welfare of the public.

NCEES is actively addressing changes in the environment by building a new

Respond to unprecedented degree types and technologies that cross conventional subject fields

The Task Force has already **developed the concept of a licensing model**. It aggregates the various elements of a license and defines the level of education, experience, and exams required to successfully perform a job. This conceptual model addresses the following:

- New degree types
- Different educational experiences
- Specialization of practice
- Emerging Technologies
- Areas of practice without applicable exams
- Changing regulations
- Proliferation of certifications

Many state boards have established different pathways to license at their own discretion, but are not necessarily covered by the current model law. **This conceptual model supports diverse licensing approaches and provides a more comprehensive model that can be used in all states.** The Task Force will make a motion to establish a new Standing Committee on Licensing at the NCEES Annual Meeting in August. It is worth noting that we are working both to diversify licensing requirements and to build new licensing models adapted to the new era. I would like to pay close attention to trends.

3. The Next Generation of Global Problem Solvers

ABET (Accreditation Board for Engineering and Technology) **CEO of Michael Milligan, Ph.D., P.E. contributed by.** ABET is a U.S. degree program accrediting agency that evaluates and accredits engineering and technical programs. FE exams are ABET-accredited programs, including those outside the U.S. university. If you graduate, you are considered to have a sufficient engineering education and can often get the entrance examination qualification smoothly. In Japan JABEE (Japan Accreditation Board for Engineering Education) But with ABET Mutual Recognition Agreement It is a member of the



ABET [ABET | ABET Accreditation](#) considers the SDGs to be an urgent and important issue.

Sustainability initiatives for young people in India

Milligan focuses on the work of the Indo Universal Collaboration for Engineering Education (IUCEE). IUCEE was founded in 2008 by academic and industrial professionals from India and the United States with the aim of improving the quality and global relevance of engineering education in India. This year's theme of the International Conference on Transforming Engineering Education (ICTIEE), one of the organization's programs, was "Transforming Engineering Education for Sustainable Development." Sustainability has been identified as a key theme of the conference for the first time, which seems to signify a growing awareness in India. Mr. Milligan said, "I was most impressed by the IUCEE Annual Student Forum (IASF), which was held in parallel with ICTIEE. **At IASF, students from all over India gathered to build a model of sustainable awareness. The students formed a team led by the UN Climate Ambassador to work on one of the UN's five Sustainable Development Goals.** I was impressed by the potential solutions of the students to the challenges presented. The authentic original design that the young people came up with in just three days gave me hope for the future."

Let's understand the sense of crisis of young people and take action

Young people, such as university students, are the next generation of great problem solvers, and connecting with them is essential to achieving the SDGs. I think the readers of this article are made up of different generations, but as Greta Thunberg argues, it is clear that seniors and young people in particular have different worldviews. **We often talk about diversity in terms of gender, race, and culture, but not so much when it comes to age.** This needs to change. Gen Z tends to be passionate about sustainability, and we know we've reached a point of no turning back when it comes to climate change. University students may be inexperienced, but they have an amazing desire to contribute to solving global problems if they provide an opportunity to develop ideas. We also want to look at the motivation and ideas of our juniors and help them find reasons to do things rather than reasons why they can't do it.

Since last year, when COVID19 calmed down, the NSPE Conference (NSPECON) has been held on-site. This year, it will be held in Louisville, Kentucky on 8/2-4.

Participation in the NSPE General Assembly will incur the following costs, but if you submit a participation report, we will cover the full participation fee plus some hotel and flight expenses. If you are interested, please contact the Planning Subcommittee Plan.2007@jspe.org (if you are a non-NSPE member, please consider becoming a member). Participation fee for NSPE non-members = participation fee for NSPE members + membership fee for the first year of NSPE, so it is a good deal). Please check the following website for details. <https://pdh.nspe.org/pe-con-homepage>

Participation fee for the NSPE General Assembly

Registration Type	Early Bird (prior to 6/29)	Standard (6/30 – 7/13)	Late (7/14 – 8/4)
NSPECon Full Conference Registration (Aug 2 – 4) Full conference registration fees include Professional Development Hours (up to 10 PDHs), the Wednesday opening reception, and lunch on Thursday and Friday. Registered attendees will receive access to recordings of the conference concurrent sessions.	NSPE Member: \$550.00 Nonmember: \$849.00 Student: \$200.00	NSPE Member: \$650.00 Nonmember: \$949.00 Student: \$225.00	NSPE Member: \$750.00 Nonmember: \$1,049.00 Student: \$250.00
NSPECon One-Day Conference Registration (August 3 or 4) One-day registration fees include Professional Development Hours (up to 5 PDHs on Thursday and up to 5 PDHs on Friday) and lunch on the selected day. The one-day registration fee <u>does not</u> include the opening reception Wednesday, August 2. Attendees may purchase tickets to the opening reception separately according to the fees listed. Registered attendees will receive access to recordings of the conference concurrent sessions for the day they are registered.	NSPE Member: \$275.00 Nonmember: \$575.00 Student: \$100.00	NSPE Member: \$375.00 Nonmember: \$675.00 Student: \$125.00	NSPE Member: \$475.00 Nonmember: \$775.00 Student: \$150.00
Additional Guest Tickets Tickets for guests may not be purchased separately. They may be purchased as part of an attendee registration.			
Opening Reception – All Things Louisville (Wednesday, August 2)	\$75.00	\$100.00	\$150.00
NSPE Recognition and Installation Lunch (Thursday, August 3)	\$50.00	\$75.00	\$100.00
Networking Lunch (Friday, August 4)	\$50.00	\$75.00	\$100.00
[Optional] Order of the Engineer Induction Ceremony			
To be inducted into the Order of the Engineer on Thursday, August 3, please select the \$15.00 event fee which includes the stainless-steel ring provided to inductees. Ring sizing takes place on-site.			
Coming Soon! Optional Tour Tickets Local Tours – TBA. Watch for more information about exciting engineering-related local tours for attendees. Tickets may be added to your registration record once they are made available.			

NSPE General Assembly Schedule Events

<https://www.nspecon.org/nspecon-2023-program-at-a-glance/#not-set:all&event-category:all>

WEDNESDAY AUGUST 2,2023	THURSDAY AUGUST 3,2023	FRIDAY AUGUST 4,2023
Eighth Annual PE Day!	Conference Registration Open	KEYNOTE SESSION: Beyond the Blueprint: Mastering the Most Important Project of Your Life (1 PDH)
NSPE State Leadership Summit (Invitation Only)	OPENING KEYNOTE SESSION: Trials and Tribulations of a Failed Aerospace Engineer (1 PDH)	Top Proven Renewable Energy and Energy Storage Technologies (1 PDH)
First-Time Attendee Reception	Exhibitor Showcase	Meeting the Challenges and Needs of The Engineering Workforce (1 PDH)
Opening Reception: PE Day and All Things Louisville	Ethical Obligations and Engineering Through a Diversity, Equity, and Inclusion Lens (1 PDH)	What You Said is NOT What I Heard (1 PDH)
	How Understanding Geomorphic Conditions Can Inform Resiliency Planning (1 PDH)	Speculative Technology and Exploratory Engineering for Designing the Future (1 PDH)
	The Engineer's Blueprint: Success Principles for Winning at Work and at Home (1 PDH)	A Playbook for Successfully Launching a Consultant Firm (1 PDH)
	Pushing the Limits: The Importance of Setting Goals for Our Teams (and for Ourselves) (1 PDH)	Networking Luncheon
	Paving the Way for Diversity and Equality in the Workforce (1 PDH)	The Three Little Pigs and Commissioning (1 PDH)
	Lithium: The Race for North American EV Dominance But at What Cost to the Industry? (1 PDH)	Recognizing and Valuing Trade-offs in Large Infrastructure and Development Projects (1 PDH)
	NSPE Recognition & Installation Luncheon	Transition From the Classroom to the Boardroom: Career Path Possibilities (1 PDH)
	La Jefa (The Boss) (1 PDH)	CLOSING KEYNOTE SESSION: TBA
	Finding the Funds for Your Infrastructure Project (1 PDH)	
	A Prelude to the Future of Engineering – History, Evolution, and Impact of Professional Engineering (1 PDH)	
	Leaders Leading Leaders (1 PDH)	
	The Imperative to Prioritize and Rehabilitate Critical Pressurized Pipeline Infrastructure (1 PDH)	
	We Need YOU to Protect the License! (1 PDH)	
	Order of the Engineer Ceremony	

Date: Saturday, March 25, 2023

On Saturday, March 25, 13:30~17:00, a PE/FE exam registration consultation was held at the Tokyo venue (Kitatopia) and via Zoom.

The number of participants was 4 PENs, 5 non-members, 2 PE members and 5 board PEs who introduced their state registration experiences. Three directors from JPEC participated.

At the consultation meeting, the member committee first gave an overview of the PE system, followed by JPEC who introduced the PE system and test trends. In addition, two PE members who achieved state registration in FY2023 gave lectures on their experiences of state registration. After that, consultation meetings were held separately for two groups at the venue and Zoom, and individual questions and consultations were answered for state registration. After the event, the participants at the venue volunteered to hold a social gathering at a different location and interact with each other.

This time, we have decided to temporarily suspend the Zoom distribution due to audio malfunction. As a result, we have omitted the explanation of some materials and extended the end time. We apologize for any inconvenience caused by the mismanagement.



Consultation at the Tokyo venue

About XX years ago, when I started creating technical content in English, Google Translate did not exist, and it was a time when electronic dictionaries were finally becoming common. English manuals created by Japan companies are very difficult to read ... It was still better, and there were many things that I didn't know what was written. This kind of thing is less common these days.

Nonetheless, knowing the principles of English technical writing can be of great help to the EP. Simple and elegant technical English gives readers a sense of security and comfort. On the other hand, even Japanese sometimes, I read a manual that is written in a strange way and feel uncomfortable. I would like to create technical English sentences that reduce such feelings as much as possible. If you rely on Google translation, you won't be able to tell if you're expressing what you really want to be Japanese in a simple and elegant way.

In this series, I would like to take material from the NSPE website and others and express my thoughts on English technical writing aiming for "simple and elegant". However, I am not a professional technical writer, so I hope you will consider it just a point of view.

Effective use of gerunds

This time, I would like to think about the effective use of gerunds, which I am also a little uncomfortable with. When I was learning English technical writing, my teacher told me, "If you want to say the same thing, try to reduce the number of words as much as possible." And the most powerful tool for reducing the number of words is "gerunds", which can be used freely to dramatically reduce the number of words.

Take for example the title of an article that appeared in the 2023 Winter issue of PE Magazine published by NSPE.

「Do You Live in a State Leading in Energy Efficiency? (Do you live in an advanced state of energy efficiency?)」 [Do You Live in a State Leading in Energy Efficiency? | National Society of Professional Engineers \(nspe.org\)](#)

This Japanese translation came out in the Google translation, but if you translate it into English with the Google translation, it looks like this.

Do you live in an energy efficient state? (Do you live in an energy-efficient state?)

I'm not wrong, but the nuances are changing a little. What you really want to mean in the original sentence, especially the verb "lead," is that it is a state that is premised on being energy efficient, but is also making progress in that field. Here's the scariness of Google translations and such. To support this point of view, the article states, for example, the following (excerpts):

- Sixteen states and DCs have adopted California's zero-emission vehicle program, which phases out small vehicles fueled by gasoline or diesel fuel. (Sixteen states and DC have adopted California's zero emissions vehicle program to phase out light-duty vehicles fueled by gasoline or diesel.)

- Connecticut and Washington have updated their housing standards to maximize energy savings since their last scorecard, with a total of five states adopting the latest housing standards. To reduce energy use and greenhouse gas emissions from existing large-scale buildings, Washington, Colorado, and Maryland are joining DC in developing energy performance standards for buildings, a major step forward toward decarbonizing existing buildings. (Connecticut and Washington updated their residential codes to maximize energy savings since the last scorecard, with five states total having adopted the most up-to-date residential code. To reduce energy use and GHG emissions from existing large buildings, Washington, Colorado, and Maryland joined DC in developing building energy performance standards, a major step forward in decarbonizing existing buildings.)

On the other hand, in the Bing translation, it looks like this:

Do You Live in a State Leading in Energy Efficiency? → Do you live in a state that leads energy efficiency? → Do you live in a State that leads energy efficiency?

The nuances have changed slightly due to the disappearance of the preposition *in*, but that is not what I want to talk about this time. By using relational pronouns, what used to be "a state leading" has become "a state that leads" and one more word. This is an expression that lacks "simplicity and elegance" in English technical writing.

For example, when you want to write, "It's good to live in a state that leads energy efficiency."

Living in a state leading in energy efficiency is good.

Where should I write

It is good to live in a state that leads in energy efficiency.

It may be expressed as overlapping redundancy with redundancy. Let's be careful.

What other gerund expressions?

In this article, I have excerpted other uses of gerunds (think for yourself for the Japanese translation). The article is about a lot of characters that can fit on an A41 page, but it's quite a lot. Let's all actively use gerund expressions.

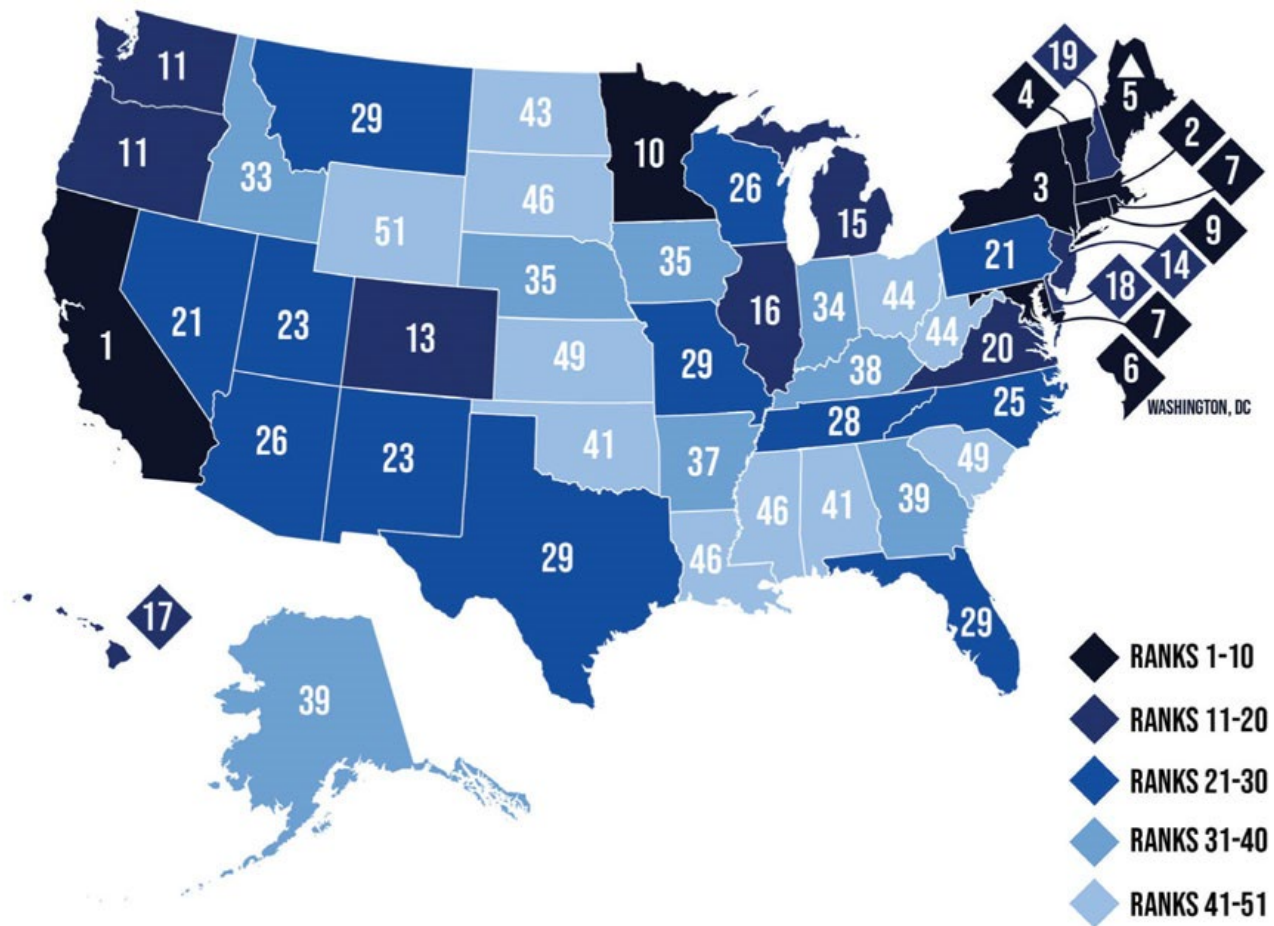
- Sixteen states and DC have adopted California's zero emissions vehicle program to phase out light-duty vehicles fueled by gasoline or diesel. Eight states and DC received points in the scorecard for **establishing** dedicated funding to install charging equipment in low income and underserved communities.
- To reduce energy use and GHG emissions from existing large buildings, Washington, Colorado, and Maryland joined DC in **developing** building energy performance standards, a major step forward in **decarbonizing** existing buildings.
- To reduce GHG emissions in the industrial sector, seven states and DC were awarded the maximum possible points in the scorecard for **offering** technical assistance for strategic energy management, supporting workers retraining for jobs in industrial energy efficiency, and **establishing** specific decarbonization targets for industry.

- State-government initiatives: Six states (California, Maine, Massachusetts, New York, Oregon, and Rhode Island) led in **advancing** energy efficiency across other sectors, such as **setting** energy-saving requirements for public buildings and fleets, **setting** goals to reduce energy burdens among low-income residents, and **enabling** inclusive participation of marginalized groups in decision-making processes.

Finally, a quiz

This chart shows the rankings of the 2022 Energy Efficiency Scorecard by State. It ranks states that lead energy efficiency improvements. Do you know which states are ranked 1st~10th? If you answer all the questions correctly, you're a cult-class American connoisseur!

The 2022 State Energy Efficiency Scorecard



SOURCE: WWW.ACEEE.ORG/STATE-POLICY/SCORECARD



The correct answer is California (#1), Massachusetts (#2), New York (#3), Vermont (#4), Maine (#5), Washington, DC (#6), Maryland and Rhode Island (tied at #7), Connecticut (#9), and Minnesota (#10).

9

Variables from PEple

9.1

Books

This is a corner where JSPE members introduce books in fields that are deeply involved. We look forward to your contributions.

[The Martian](#) (by [Andy Weir 2014 years](#))

It is published by Hayakawa Shobo under the Japanese title "The Martian Man" and has also been made into a movie under the title "Odyssey". This time, I read it in English as well as studying English.

The story is very simple: an astronaut who is left alone on Mars spends 549 Martian days and returns safely. Initially, food was only half of 549 Martian days, water was not enough, there was no way to communicate with Earth, and to catch a rescue ship from Earth you had to reach 3 200 kilometers away. Many hardships await the protagonist. However, all the protagonists make the most of what is available with scientific knowledge and evidence. I felt that what was depicted there was an engineer who combined a number of scientific knowledge and technologies beyond his specialized field. Although they are drawn, there are not outlandish useful tools, and many of them can be easily imagined in our real lives, and I was surprised that "such a thing can be done."

This book reminded me that engineers need to have a wide range of knowledge not only in their own field but also in other specialized fields.



(PE-0193 Hisakazu Sato)

9.2

Engineering close to home

This is a corner where you can introduce the excitement of discovering engineering in something casual and encountering engineering equipment and methods that make you growl.

9.3

Between the Senses

As the Ikoi no Plaza, it is a corner where things that are captured as "beauty" with the five senses are posted, and sketches, drawings, pictures, photographs, anything is fine. Regardless of whether it is engineering or not, please provide us with what you feel is "beautiful", such as carefully designed and manufactured equipment that makes you feel

Board Topics

The items deliberated at the Extraordinary Board of Directors Meeting in April and the Ordinary Board of Directors Meeting in May are as follows. Details of each matter can be found on the member site – JSPE Board Meeting Minutes. <https://www.jspe.org/member/report/>

The Board of Directors meeting in July will be Saturday, July 2, 2023. If you are a member who wishes to participate as an observer to the Board of Directors, please contact the Secretariat managers@jspe.org.

【Extraordinary Board Meeting in April】**Agenda items**

- ◇Confirmation of the list of candidates for the next term (FY2023-2024)
- ◇FY2023 Activity Plan and Budget
- ◇2023 Action Item Review and Role Sharing
- ◇Structure of each subcommittee in fiscal 2023
- ◇2022 Awards Members (Member Subcommittee)

Matters to be reported

- ◇Details of the Annual General Meeting
- ◇Business Report
- ◇English translation of the Articles of Incorporation

【May Ordinary Board of Directors】**Agenda items**

- ◇Changes in the number of members
- ◇FY2023 Activity Plan, Review of Action Items and Division of Roles
- ◇Detailed Regulations for Continuing to Board of Directors 10 Years Detailed Regulations
- ◇Changes to the rules of the Education Subcommittee and the Accounting Subcommittee

Matters to be reported

- ◇Contents of the Annual General Meeting, schedule of division of roles, etc.
- ◇Status of Annual Report for FY2022
- ◇Procedures after the General Meeting
- ◇2023 Mie University Graduate School of Mechanical Engineering Special Seminar Lecture
- ◇Notice

Homepage, SNS, Member Email

Thank you for using the JSPE website and SNS. The Public Relations Subcommittee strives to provide useful information to everyone through its website, such as updating PE exam registration, but if you have any comments or comments such as how convenient it would be to post something like this on the JSPE website or if the information posted on the JSPE website was useful, please contact the Public Relations Subcommittee public.2007@jspe.org Please do.

FY2023 1st Engineers Salon

Date & Time: Wednesday, May 10, 2023 19:30~21:00

Participants: 34 (30 PE members, 3 PEN members, 1 FE member, including lecturers)

Format: Web delivery only

Title: Innovation Management Study Group Achievement Report

Lecturer: Hidemi Yanagi, PE member

As a report on the results of the 2022 JSPE Study Session, Yanagi PE gave a lecture on the contents of the "Innovation Management Study Session". In the first half, he gave an easy-to-understand overview of innovation management theory and interesting content such as obstacles to innovation ability, and in the second half, there was a question-and-answer session and exchange of opinions. In particular, there was a lively Q&A session and exchange of opinions regarding the content of the lecture and the relationship between Japan companies, such as factors such as the lack of the spread of Stage Gate in Japan companies and the hindrance of innovation, indicating that the members are highly interested. Finally, Yanagi PE talked about soliciting ideas for future study group activities, so I would like to look forward to today's participants and suggestions from other members.

The 353rd Onikin CPD Seminar

Date & Time: Saturday, May 20, 2023, 10:00~12:30

Participants: 17 (16 PE members, 1 non-member, including lecturers)

Format: Web delivery only

Title: Strategy and Project Management II/Strategy and Project Management II

Lecturer: JSPE member Takaaki Kitabayashi PE, PMP®, Ph.D

This seminar was held on January 29, 2022 as the second part of the 340th Onikin CPD Seminar (Strategy and Project Management), and we received a lecture from Kitabayashi members. After the previous review, there was an easy-to-understand explanation of "what is a good strategy" and "success factors for relocation" using the textile industry as an example. In considering strategies, "new in the world," "mission-critical," and "unattractive" were the key points, and in addition to these, it was impressive that managers need to have the ability to read "timing" and a sense of speed in decision-making. In the two seminars held in the middle, participants and lecturers shared "companies implementing good strategies" and "lessons learned from the history of the decline of the textile industry" after individual and pair work, and lively discussions were held between participants and lecturers. Due to requests from today's participants and other members, Kitabayashi members will be able to consider the third phase, so we look forward to the future development of this theme.

FY2023 facility tour

Date: Friday, June 16, 2023 15:00~16:45

Location: JFE Engineering, Tsurumi Plant

Presenter: PEN0235 Ryota Matsumoto

Participants: 7 (PE 6, PEN 1)

They toured the facilities of JFE Engineering Tsurumi Works, which is located on the seaside of

the Keihin Industrial District. JFE Engineering's business is mainly engineering work such as planning and procurement of plants such as steel structures and waste treatment facilities, but Tsurumi Manufacturing has been engaged in shipbuilding, steelmaking, and heavy industry manufacturing since 1912 (originating from Japan steel pipes), and is currently engaged in the production and repair of shield machines, steam turbines, marine engines, etc. On the other hand, in recent years, the plant has been working on the latest systems that take energy conservation and the environment into consideration, such as the pursuit of new manufacturing facilities using 3D printers, biomass power generation systems, and the development of smart agri, which effectively utilizes waste heat and CO2.

The inside of the plant is fully equipped with production equipment such as cranes, and the factory building is more than 600 meters from north to south, making it an overwhelming scale that you don't usually see. Inside the building, the production area was divided by process such as welding, machining, and assembly, and although it was a small number of people, production was performed in an orderly manner 24 hours a day.

As for shield machines, multiple shield machines are produced simultaneously from the machining process to the commissioning process for domestic government offices and Southeast Asia, where infrastructure construction is vigorous, and I was able to learn about the internal structure and operation method.

In the case of steam turbines, although they are several MW in size, we have witnessed the need for precision machining such as wire-cut electric discharge machines and technology for assembling them with a clearance of several hundred μm . In particular, the rotor of a multi-stage steam turbine has a rotation speed of more than 10,000 rpm, and a slight assembly failure can lead to a major accident, so we understood that it is necessary to set detailed tolerances for each pin for assembly and to have assembly skills to realize it.

In the case of marine diesel engines, we were able to glimpse the difficulty and ingenuity of manufacturing and assembling cylinder blocks for 9,000-horsepower, 12-cylinder engines, and the trial operation method that takes environmental regulations into consideration and mass production of large-scale products.

As mentioned above, I was able to learn about important heavy industry products and their production processes that are used to realize the infrastructure that we take for granted, although it is difficult to see them in our daily lives.

We would like to express our sincere gratitude to Mr. Sagara and Mr. Ban of JFE Engineering Corporation for introducing us this time, and to Mr. Minami who organized the facility tour as a JSPE member.



Group photo of participants

Please check the following URL for the latest information on this year's events.
<https://www.jspe.org/events/>

The events of the last three months are as follows.

< Engineering Salon>

202 3/07/05

202 3/07/19

<OnikinSeminar>

202 3/09/02

202 3/09/30

< Technology CPD Seminar>

202 3/07/16

<PE/FE Examination and Registration Consultation>

March 25, 2023

< Board of Directors>

202 Saturday, July 2, 3

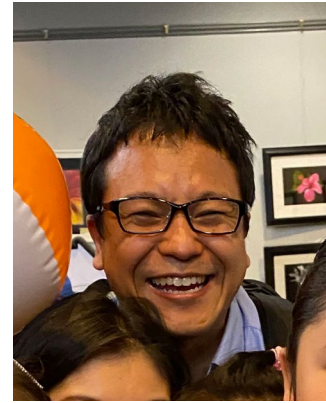
20 Saturday, September 9, 23

- Name : Takanori Sato
- Membership number : F E-0429
- Field of Specialization: Design of concrete structures and port structures
- Motivation for joining : In February of this year, my boss recommended me, so I decided to aim to acquire P E.
 - There is a possibility that we will be dispatched to an overseas construction consultant next year, and we aim to obtain it by the end of this year.
 - Yes. Participated in the P E / FE exam registration consultation held on 3/25, and listened to their stories.
 - I joined because I wanted to receive support for obtaining P E.
- Self-introduction : Since joining the company, I have mainly experienced the design and construction of port structures. Currently made of concrete
 - We are involved in the design of the foundations of floating offshore wind power generation facilities.
- What we hope JSPE does: P E registration support, member exchange, provision of the latest information, etc.

- Name: Masashi Nishino
- Membership number :PE N-0238
- Qualifications: Assistant Engineer (Construction), Basic Information Technology Engineer, Fire Engineer Class 1, Air Conditioning Sanitation Engineer, Dangerous goods handlers Class 4, Class 2
- Field of specialization: Civil
- Motivation for joining: Networking, information gathering
- Self-introduction: I am a plant engineer at a non-ferrous metal manufacturer (Sumitomo Metal Mining Co., Ltd. Production Technology Department). Civil engineering and architecture are often distinguished, but in my company, there is no distinction between civil engineering and architecture, and specialization in both is expected. In addition, as a plant engineer, it is also necessary to have a wide range of knowledge in mechanical, electrical, chemical engineering, etc. Through JSPE's activities, I would like to interact with engineers in civil engineering, architecture, and various other fields and share knowledge.
- The registrant is considering Washington State, having spent about two months in childhood.
- What JSPE hopes for: Technical exchange between members



- Name: Atsushi Ito
- Membership number: PE-0329
- Qualification: Structural Design First Class Architect
APEC Engineer (structural Engineering)
PE Civil (Structural)
- Field of Specialization : Building Structure



- Motivation for joining: Gathering information for obtaining PDH for renewal of PE registration and Looking forward to interacting with people from various fields

○Self-introduction: After 10 years of structural design experience in Japan, 4 years in Thailand, then after 4 years back in Japan
I was assigned to a U.S. subsidiary in 2019 and registered as a PE in NC State in January 2023. Due to the limited personnel system, the local subsidiary collaborates with external structural design offices.
I'm involved in a project.
My hobbies are skiing and mountain climbing, but right now I'm busy raising three children with my wife.

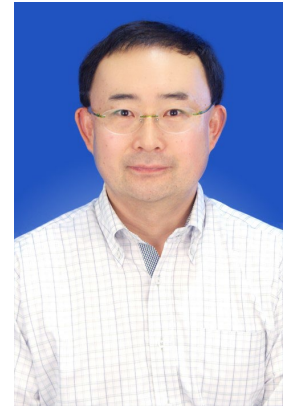
- What I want JSPE to do: Since I am abroad Japanese I have limited access to information about books, and I have a JSPE Magazine book
I look forward to the introductory page. In addition, we regularly publish magazine articles and your activities.
By looking at it, you can see the perspective that tends to be narrowed in front of you because you are busy with your daily work.
I hope that I will be able to rethink and expand it.

- Name: DONG SI HUY
- Membership number: PE-0332
- Qualification: PE (Oregon)
- Field of Specialization:Electrical Engineering



- Motivation for joining: Expansion of knowledge in the field of electrical engineering, interaction with engineers in various fields
- Self-introduction: I majored in electrical and electronic engineering at university, but after graduating, I was involved in the electric power field (substation and renewable energy) for 7 years. Currently, I am in charge of overseas projects at an electric power consulting company.
- What I want JSPE to do: I would like you to participate in seminars and study sessions, strengthen your specialized engineering knowledge, and build a network.

- Name : Takuya Ishikawa
- Membership number : PE-0328
- Qualifications : PE (Electrical), PMP, 1st Class Land Radio Engineer,
Railway Design Engineer (Railway Electric)
- Field of specialization : Railway electricity, especially weak electrical systems (signaling and communication systems)
- Motivation : Networking with other engineers



- Self-introduction : I have been working for a railway company for a long time, and I am currently engaged in domestic and overseas research and design work at a railway consulting company.
It has been about 20 years since I passed the PE exam in California in 2001 and registered as a PE, but this is the first time I have joined without knowing about JSPE.
Looking back on the past, I longed for the work of engineers overseas, and after graduating from university, I learned about the existence of the FE exam sponsored by Oregon and immediately took it and passed, but I had no opportunity to go to the United States for work and gave up on the PE exam for a while. However, a few years later, I had the opportunity to study abroad in California, and I happened to be with Japan classmates there informed me that they had taken the PE exam locally, and I had already obtained a Social Security Number (SSN), which is one of the eligibility requirements, so I decided to take it.
At that time, the PE exam was still written down, but thanks to my study abroad major, I majored in electrical engineering, so my homework and midterm and final exams were written down, so I was able to deal with it immediately. I also remember going to the test site in my own car with reference books brought in from Japan and reference books bought locally in my travel bag during the Open-book (you can bring your own) test.
As for the exam, the first time I failed the passing score slightly and failed, and the second time I finally passed and registered as a PE just before returning to Japan.
Since returning to Japan, I have been involved in work related to railway electricity in Japan and overseas, but while there is no work that directly uses PE, I try to write PE as a set with PMP in the CV when applying for a project. Also, if you tell them that you are a PE holder, they will be surprised and the conversation will be lively.
- What I hope for JSPE: I am looking forward to interacting with other engineers.

- Name: Hidenari Baba
- Membership number :P E-0333
- Qualification :P E (New Hampshire), Doctor of Engineering
- Field of Specialization: Material strength, structural analysis
- Motivation for joining I decided to join because :P E requires continuous self-improvement.
- Self-introduction: I worked in the R&D department for many years, and I have been involved in many tasks close to the field, such as dealing with problems with delivered products. I also worked in the intellectual property department for several years. I would like to make use of these experiences to contribute to the development of the Society.
- What we hope for JSPE: It would be very helpful if you could enhance events such as tours and lectures. Thank you.



As mentioned in the feature article, the 23rd JSPE Annual General Meeting was successfully completed, and the activities of FY2023 began with a new officer structure. First of all, I would like to express my gratitude for the large number of members who attended the general meeting, which was mainly face-to-face, but also used the remote holding method cultivated as an organization during the COVID-19 pandemic.

Now, as stated in this year's activity policy, this term we will take on the challenge of moving the activities of the association with the directors taking the lead from activities to moving the activities of the association with members taking the lead themselves. Although there have been times in the past few years when it has been difficult to engage in member exchange activities due to the almost elimination of restrictions imposed by COVID-19, we hope that as many members as possible will take a step forward and grow into fruitful association activities. This JSPE Magazine can also be used as a place to share and express your own experiences and thoughts through "contact from members", and can also be used as a part of member exchange. If you have any questions you would like to share or discuss with you, please contribute to them.

2023/07/01

Hisakazu Sato (Magazine Editor)

If you have any concerns, suggestions, questions, or contributions, please contact the Public Relations Committee public.2007@jspe.org.

【Editorial Committee】

Nishikubo (Chief Planning Editor)

Inaba (Board of Trustees Topics, Education Subcommittee CPD Seminar Report, Coming Events)

Sato (Ikoino Hiroba), Fujimura (FE/PE pass, PE registration experience, introduction of new members)

Kamino (Ethics), Suzuki (Ethics Reviewer),

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