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• Inclusiveness and affirmative action
• Promoting the academic and research ethics
• Promoting the individual rights to learning, growth, opportunity and privacy
• Compliance with higher standards of research ethics
• Nurturing and sponsoring positivity in all areas of conduct
• Transparency and trust in all means of conduct
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Conference Coordinator

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Conference Coordinator

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Conference Coordinator

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Conference Coordinator
CONFERENCE TRACKS

- Society For Business, Economics, Social Science & Humanities
- Society For Engineering & Technology, Computer, Basic & Applied Sciences
- Society For Medical, Medicine and Health Sciences
CONFERENCE CHAIR MESSAGE

Dr. Adrina

“AF RESEARCH CENTER” is a platform that thrives to support the worldwide scholarly community to analyze the role played by the multidisciplinary innovations for the betterment of human societies. It also encourages academicians, practitioners, scientists, and scholars from various disciplines to come together and share their ideas about how they can make all the disciplines interact in an innovative way and to sort out the way to minimize the effect of challenges faced by the society. All the research work presented in this conference is truly exceptional, promising, and effective. These researches are designed to target the challenges that are faced by various sub-domains of the Society For Business, Economics, Social Science & Humanities, Society For Engineering & Technology, Computer, Basic & Applied Sciences, Medical, Medicine & Health Sciences.

I would like to thank our honorable scientific and review committee for giving their precious time to the review process covering the papers presented in this conference. I am also highly obliged to the participants for being a part of our efforts to promote knowledge sharing and learning. We as scholars make an integral part of the leading educated class of the society that is responsible for benefitting the society with their knowledge. Let’s get over all sorts of discrimination and take a look at the wider picture. Let’s work together for the welfare of humanity for making the world a harmonious place to live and making it flourish in every aspect. Stay blessed.

Thank you.

Dr. Adrina
CONFERENCE SCHEDULE

Venue: Hotel Mystays Ochanomizu Conference Center Tokyo Japan
July 15-16, 2023

Time: Registration & Kit Distribution (09:00 – 09:30 am)

Day: Saturday
Date: July 15, 2023

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Tea/Coffee Break (10:30 - 11:00 am)

DAY 01 (July 15, 2023)

First Presentation Session (11:00 am – 11:30 am)

Track A: Business, Economics, Social Sciences and Humanities

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DAY 01 (July 15, 2023)

Track B: Engineering, Information Technology & Applied Sciences

Second Presentation Session (11:30 am – 01:00 pm)

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Closing Ceremony & Lunch (01:00 pm – 02:00 pm)

PARTICIPANTS REGISTERED AS LISTENER/OBSERVER

The following Scholars/ practitioners who don’t have any paper presentation, however they will attending the conference as delegates & observers.

**Official ID:** MSP-2023-A101  
Jiahui Liu  
The University of Southampton United Kingdom

**Official ID:** BCM-JULY23-101  
Hwanhee Lee  
Chung-Ang University, South Korea

**Official ID:** BCM-JULY23-102  
Joonki Paik  
Chung-Ang University, South Korea
PARTICIPANTS REGISTERED AS LISTENER\OBSERVER

The following Scholars/ practitioners who don’t have any paper presentation, however they will attending the conference as delegates & observers.

**Official ID:** BCM-JULY23-103  
Jaesung Lee  
Chung-Ang University, South Korea

**Official ID:** BCM-JULY23-104  
Yoonsik Cho  
Chung-Ang University, South Korea

**Official ID:** HRMES-JULY23-101A  
Jo (Kyoungjo) Oh  
Management & Entrepreneurship (M&E) Department, University of Connecticut (UConn)  
School of Business

CONFERENCE DAY 02 (July 16, 2023)

Second day of conference will be specified for touristry. Relevant expenses are borne by Individual him/herself.
TRACK A

BUSINESS, ECONOMICS, SOCIAL SCIENCES AND HUMANITIES
A STUDY ON COMPANY LAW REFORM: THE FEASIBILITY OF RAISING THE THRESHOLD FOR ORDINARY SHAREHOLDER RESOLUTIONS

Fang Kuan-Chieh*

Assistant Professor, Department of Law, Aletheia University
Corresponding Email: ketsuhou@gmail.com

The Company Act is a fundamental law in economic development, and the quality of its provisions has a significant impact on economic activity. Despite the fact that a company’s Articles of Association can increase the resolution threshold of a shareholders’ meeting and the scope of issues for resolution, the company can be free of the shackles of the principle of private law autonomy to some extent. Stakeholders are expected to use the information in the Articles of Association, which must be made public, to gain insight into the company’s operations and to make the necessary transaction arrangements. After raising the resolution threshold, the company’s Articles of Association protect minority shareholders’ rights and interests without the need for additional safeguards. In recent years, Taiwan has revised the Company Act several times in an effort to improve the business environment and protect the interests of investors, creditors, and stakeholders. After all, corporate governance and transparency are unavoidable. Realizing corporate governance transparency is not only required for company law reform, but it is also the primary focus of law amendments in the majority of countries around the world. As a result, the corporate governance system in Taiwan’s company law system must be moderately relaxed. The company can develop in a distinct manner by increasing the resolution threshold of the shareholders’ meeting and the limitations of the company’s Articles of Association. This is a necessary and rational course of action. From the perspective of corporate governance, this paper examined the pertinent laws and regulations of the United States, Germany, and Japan. In order to evaluate the pros and cons of raising the resolution threshold, eight aspects were analyzed in an effort to provide guidance to related units during law amendments.

Keywords: Shareholders’ Meeting, Articles of Association, Ordinary Resolutions, Corporate Governance
WHAT ARE THE ANTECEDENTS OF INTRA-ORGANIZATIONAL SOCIAL CAPITAL FOR MEN AND WOMEN?

Batia Ben-Hador*

Ariel University, Israel
Corresponding Email: batiabh@areil.ac.il

Social capital assets in organizations are important for researchers and practitioners. However, there is still a lot to learn and understand about the different levels of social capital and their different influences in organizations. In this study, I examined the antecedents of women's and men's intra-organizational social capital. The findings indicated that although no differences in the amount of intra-organizational SC were found between women and men, only the intra-organizational SC of women was affected by their self-efficacy (a personality trait) and by their organizational citizenship behavior (OCB).

Keywords: Intr Organizational, Social, Capital
TRACK B
ENGINEERING TECHNOLOGY, COMPUTERS & APPLIED SCIENCES
The Levenberg-Marquardt Method (LMM) is utilized to determine the optimum design variables for a stepped solar still with a glass cover water film cooling device to maximize the productivity of the distillate. The design algorithm is based on the minimization of the functional of the problem and estimation of the optimal design variables of glass cover water film cooling devices. The accuracy of the present numerical solution for distillate is first verified by comparing the values with those provided by El-Samadony and Kabeel. Next, four different designs are considered in the present work, and the resultant daily amount of distillate for each stepped solar still with glass cover water film cooling device are examined. The results indicate that utilizing the optimal design variables for glass cover water film cooling devices can indeed increase the productivity of distillate, and the percentages of increase are calculated as 1.81%, 4.85%, 4.27%, 3.88%, and 2.93% for cases A, B, C, D, and E, respectively.

*Keywords: Optimum, Solar, Productivity*
Objective: In this study, an exercise therapy application based on physical risk factors was developed for non-face-to-face home training of patients with non-specific neck pain. In addition, we tried to confirm the effect of non-face-to-face home training using the developed application on pain and functional disability in patients with non-specific neck pain. Thirty-seven subjects were recruited for the study, and 34 subjects who met the selection criteria participated in the study. Subjects were randomly assigned to an experimental group (n = 17) and a control group (n = 17). The experimental group received a video-based application system and the control group received image and text-based handouts. Both the experimental group and the control group performed home training for 6 weeks, and before and after the intervention, the intensity of neck pain, tenderness threshold, active range of motion of the joint, range of motion of upper cervical vertebra rotation, forward head posture, round shoulders, shoulder height difference, and neck flexion compensatory movements were measured, respectively. By measuring, the before-and-after changes within the group and the difference between the groups were compared and analyzed. As a result, pain before and after home training, cervical joint range of motion, disability index, forward head posture, rounded shoulders, and cervical flexion compensatory movements improved. There was no significant difference in the index, forward head posture, and cervical vertebrae flexion compensatory movements. In comparison between groups, it was found that pain, cervical joint range of motion, and forward head posture improved significantly in the experimental group provided with the video-based smartphone application compared to the control group. Through this study, it is expected that a video-based home exercise program can be provided to positively affect the pain and function improvement of patients with non-specific neck pain.

Keywords: Neck Pain, Mobile Applications, Smartphone, Exercise Therapy, Risk Factor
ANALYSIS OF BIOMECHANICAL CHARACTERISTICS OF THERAPIST'S GROUND REACTION AND CONTACT HAND FORCE AND TIME ACCORDING TO TABLE HEIGHT DURING SPINAL MANIPULATION

Yongwoo Lee*

Physical Therapy Department, Sahmyook University
Corresponding Email: yongwo2@syu.ac.kr

This study aimed to analyze the effects and characteristics of the height of the treatment table on the force and time of ground reaction (GR) and contact hand (CH) generated from the therapist's feet to generate thrust during spinal manipulation (SM). Thirty-six healthy subjects were recruited. SM was performed on the ilium using a knee-high table, where the therapist felt it was easy to control the subject's posture and body shape and comfortable to generate force, as well as a relatively high thigh-high table. The force and time generated by the therapist's GR and CH were simultaneously measured through a force plate. As a result, there was a significant difference in peak force and rundown force at the therapist's GR according to the table height (p<0.05). In the therapist's CH, there was a significant difference between Pre-Minimal force and peak force (p<0.05), and there was a significant difference between the time from Pre-Minimal to peak and the time of the entire section (p<0.05). As a result, the generation of increased CH force and faster thrust duration were confirmed by mobilizing the reduced GR force of the therapist to generate thrust than the relatively high table on the knee-high table.

Keywords: Spinal Manipulative Therapy, High-Velocity Low-Amplitude, Biomechanics, Clinical Training
A MODEL FOR BUDGET ALLOCATION AND COST CONTROL IN ENGINEERING CONSULTING PROJECTS BASED ON THE PROJECT MANAGER'S PERSONAL EXPERIENCE

Shih-Hsu Wang¹, Shu-Pin Chang², Wei-Chih Wang³

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² PhD student, Department of Civil Engineering, National Yang Ming Chiao Tung University, No. 1001, Daxue Rd. East Dist., Hsinchu City 300093, Taiwan R.O.C.
³ Professor, PhD, Department of Civil Engineering, National Yang Ming Chiao Tung University, No. 1001, Daxue Rd. East Dist., Hsinchu City 300093, Taiwan R.O.C.

Corresponding Email: "wss@url.com.tw"

This paper presents an experience-based model of budget allocation and cost control for engineering consulting projects. The proposed model comprised two modules: a work item module and a work duration module. Regarding the work item module, a project manager employed the analytic hierarchy process (AHP) to determine the budget percentage allocated to each work item. Regarding the work duration module, this study compiled all S-curves appearing in each budget percentage range in past projects. Next, the program evaluation and review technique (PERT) was used to establish candidate S-curves for each budget percentage range. A project manager then selected the optimal curve shape for each work item to determine the daily budget allocation and cost control limits throughout the work duration of each work item. This study used a road construction supervision project as a test case. Testing revealed that the proposed model facilitates project managers’ budget allocation decision-making, determine budget control limits for the overall project and for each work item and identify work items that may be out-of-control at an early stage.

Keywords: Engineering project; Budget allocation; Cost control; S-curve; AHP; PERT
This work describes the UPV/EHU Stellarator hardware modifications and improvement process that has been carried on over the system. These are basically focused on the coil system, the µwave generator and the interface equipment. As a consequence, it has been also needed to update the control-oriented model of the system. This paper deals with the development of the new space-state time domain model of the magnetic confinement coil system and its validation by means of experimental output data.

*Keywords: System modelling, Fusion devices, Magnetic confinement, Real-time control, Model predictive control*
VISION

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