

REPORT for Board Meeting (SMiRT-24)



Summary of SMIRT 24

- ❖ **Duration : Aug. 20 ~ 25, 2017**
- ❖ **Place : Busan Korea**
- ❖ **Submitted papers : 477**
- ❖ **Presented papers : 439**
- ❖ **Participants : 521 from 28 countries**
- ❖ **Technical sessions : 86**
- ❖ **Special sessions : 18**
- ❖ **SoA sessions : 2**
- ❖ **Papers on the publishing process : over 50**
- ❖ **Future works**
 - Finalize financial report
 - Special publication process

SMiRT-24 Technical Program Summary

Division	Planned Papers/ Presnetations	No show	Presented Papers/ Presentations
Division 1 – Mechanics of Materials	33	0	33
Division 2 – Fracture Mechanics and Structural Integrity	79	10	69
Division 3 – Applied Computation, Simulation and Animation	40	3	37
Division 4 – Characterisation of Loads	21	2	19
Division 5 – Modelling, Testing and Response Analysis of Structures, Systems and Components	90	12	78
Division 6 – Design and Construction Issues	73	5	68
Division 7 – Safety, Reliability, Risk and Margins	48	5	43
Division 8 – Issues Related to Operations, Inspection and Maintenance	24	0	24
Division 9 – Fuel Cycle Facilities, Waste Management and Decommissioning	5	1	4
Division 10 – Challenges of New Reactors	5	0	5
Special Sessions / SoA Sessions	59	0	59
Total	477	38	439

Special Sessions

Session code	Topic	Type/ Papers
SS1	EXPERIENCE - A DRIVER IN SHAPING NUCLEAR REGULATIONS AND REGULATORY BODIES	Panel session
SS2	NONLINEAR SOIL-STRUCTURE INTERACTION ANALYSIS	Panel session
SS3	SEISMIC PROBABILISTIC RISK ASSESSMENT	Panel session
SS4	IAEA PROGRAM ON HYBRID SIMULATION TESTING METHOD I, II, III	11
SS5	RISK ANALYSIS OF NPP AGAINST SEISMIC INDUCED NON-VIBRATION HAZARD I, II, III, IV	15 + Panel session
SS6	ASCE 4-16 BASED PROBABILISTIC/NONLINEAR SOIL-STRUCTURE INTERACTION	4
SS7	CHALLENGES OF SMALL MODULAR REACTORS I, II, III	12
SS8	DECOMMISSIONING AND DISMANTLING	5
SS9	SEVERE ACCIDENT RESEARCH ACTIVITIES IN KOREA	5
SS10	ON CHALLENGES TOWARD RISK-INFORMED AND PERFORMANCE-BASED EARTHQUAKE ENGINEERING FOR NUCLEAR POWER PLANT	Panel session
*	Technical Harmonization and Emerging Code and Standards (C Faidy)	(8)*

* The session was planned just before the SMiRT24 conference and thus papers are not available

State of Art (SoA) Session

Session code	Topic	Papers
SoA1	SITE EVALUATION FOR NPP	1 + Panel session
SoA2	SEISMIC ISOLATION OF NUCLEAR POWER PLANTS	1 + Panel session

Reflections (on Special and SoA Sessions)

- ❖ **SoA sessions are very useful although they are difficult to organize**
 - **need continuous efforts and supports**

- ❖ **Code Harmonization (Technical Harmonization and Emerging Code and Standards, C Faidy) will be an important future issue**
 - **not sufficient time to announce due to time limitation**
 - **need to organize well in advance for announcement**

- ❖ **Special sessions which had been organized well in advance (during the ISC Planning meeting) tend to be smoothly organized and to have more impact.**
 - **Local ISC members can make more efforts**

Early Career Award / Jaeger Prize / Special Publication⁷

❖ SMiRT24 Early Career Award

- “Numerical and Experimental Study on Structural Failure Models under Seismic Loading” (Division 2- Session 8, D2-S8-3)
Md A Al Bari, R Sakemil, T Sato, N Kasahara (U Tokyo)
- The paper will have the highest priority for special issue of IJPVP or NED

❖ SMiRT24 Jaeger Prize

- Will be nominated and informed to SMiRT 25 Organizing Committee

❖ Special Publication

- Nuclear Engineering & Design (up to ~50 papers)
 - Guest Editor: T-E Jin (KEPCO E&C)
- International Journal of Pressure Vessels and Piping (12~15 papers)
 - Guest Editor: Y-J Kim (Korea Univ)
- ✓ Two SoA papers and one Early Career Award paper will have the highest priority for special publication

Special Publication - Schedule

❖ Planned Schedule

- **1st screening process (finished)**
 - Based on the session evaluation (by chairs), ~75 papers have been selected
- **2nd screening and notification to authors (by the end of Feb.)**
 - The Chief Editor will lead the 2nd screening process
 - More detailed selection will be done based on the conference papers
 - A final list of papers will be available by the end of February
 - Notification to the authors will be made
- **Draft papers and review process (by the end of April)**
 - Draft papers (fit to the Journals' Guidelines) will be circulated for peer review
- **Collation of final papers for special publication (by the end of May)**
- **Submission to Journals (by the end of June)**

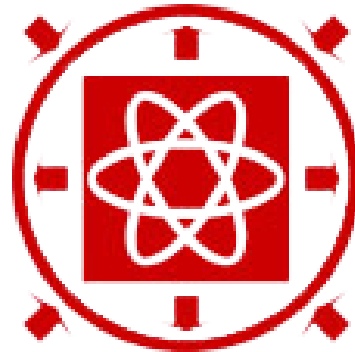
Draft of Financial Report in SMIRT 24

Summary of Income (US \$)

Registration	420,200
Sponsorship	25,000
Exhibitions	5,492
Dinner & Tour tickets	3,105
Total Income	453,796

Summary of Expenditure (US \$)

Hire of Venue & Facilities	107,268
Performance & AV	26,501
Lunch & Coffee	15,034
Reception & Dinner	29,396
PCO (Staff & Management Charge)	80,707
Management of Local Organizing Committee	42,868
Printing, Office Operation, Artwork	24,800
Promotion	6,967
Marketing & Tour	11,219
Website	8,000
Gifts	12,333
Board & ISC Meeting	33,402
IASMIRT Dues	35,000
Credit Card Fees	18,818
Contingency	1,483
Total expenditure	453,796



IASMiRT



Welcome to Busan

SMiRT 24

Thanks for your cooperation !