海洋・都市基盤工学特別プログラム国際研究フォーラム

International Research Forum
for PhD Students at International Program
of Maritime & Urban Engineering

Masashi Kashiwagi
Department of Naval Architecture & Ocean Engineering
Division of Global Architecture
Osaka University, Japan
International Program of Maritime and Urban Engineering

INTERNATIONAL RESEARCH FORUM

2019

20th March

13:00
The coupling between strip theory and modular mathematical model to estimate the ship maneuvering in waves
Arulaha Wicaksono - D3 - Naval Architecture and Ocean Engineering

13:20
Seismic strengthening of RC exterior joints with deficient anchorage
Syafri Wardi - D3 - Architectural Engineering
International Research Forum 2019 for PhD Students at International Program of Maritime & Urban Engineering

Date : March 20 (Wednesday), 2019
Place : Library Hall (3F) of Science & Engineering Library, Osaka University (Suita Campus)

Program Schedule

09:30～09:45 Opening Address
Masashi Kashiwagi (Osaka University)

09:45～10:30 *Keynote Lecture Part-1*
*Development of Efficient CFD Solver for Floating Offshore Wind Turbine*
Prof. Decheng Wan (Shanghai Jiao Tong University)

10:30～11:15 *Keynote Lecture Part-2*
*Development of High Speed Video Camera in Kindai University*
Prof. Kohsei Takehara (Kindai University)

11:15～12:00 *Keynote Lecture Part-3*
*The Place and Life of Informal Settlements in Accra: Contextualizing Hiroshi Shimizu and Christopher Alexander*
Dr. Seth Asare Okyere (Osaka University)

(Lunch Break)
13:00～13:20  The coupling between strip theory and modular mathematical model to estimate the ship maneuvering in waves  
Ardhana Wicaksono (D3, Naval Architecture and Ocean Engineering)

13:20～13:40  Seismic strengthening of RC exterior joints with deficient anchorage  
Syafri Wardi (D3, Architectural Engineering)

13:40～14:00  The CFD and EFD study of rudder-bulb-fin system in ship and propeller wake field of KVLCC2 tanker in calm water  
Tho-Quang Truong (D3, Naval Architecture and Ocean Engineering)

14:00～14:20  Stability of compressive residual stresses introduced by high frequency mechanical impact post-weld treatment  
Hector Ruiz (D3, Naval Architecture and Ocean Engineering)

14:30～14:50  Fatigue design loads for ship structural safety evaluation  
Luis De Gracia (D3, Naval Architecture and Ocean Engineering)

14:50～15:10  Submerged wall-trench systems to suppress tsunami impact on coast  
Akalanka Silva (D2, Civil Engineering)

15:10～15:30  A study on socio-spatial structure of informal settlements by analyzing relationships between physical environment and human behaviors in the inner-city Kampung, Jakarta  
Nugroho Sumanto (D2, Architectural Engineering)

15:30～15:45  Closing Address  
Prof. Michihiro Kita (Osaka University)

17:00～19:00  Get-together party at S1-311 Lecture Room
International Research Forum (2019)

Osaka University M. Kashiwagi
## Settlement of Accounts

<table>
<thead>
<tr>
<th>Income</th>
<th>110,000</th>
<th>From Division of Global Architecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supporting subsidy</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expenditure</th>
<th>107,231</th>
<th>Prof. Decheng Wan Including transportation &amp; daily allowance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air ticket</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>between Osaka &amp; Shanghai</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hotel charge</td>
<td>17,500</td>
<td>Prof. Decheng Wan, Senri Hankyu Hotel</td>
</tr>
<tr>
<td>Gift, Lunch, Refreshment</td>
<td>16,500</td>
<td>Mainly for Keynote speakers</td>
</tr>
<tr>
<td>Poster</td>
<td>6,000</td>
<td>Printed in India</td>
</tr>
<tr>
<td>Get-together party</td>
<td>46,500</td>
<td>Sandwich, Salad, Hot bowl, Chicken, etc. ordered and paid to COOP</td>
</tr>
<tr>
<td>Cake, Sushi, Drinks, others</td>
<td>16,500</td>
<td>Including cups, plates, spoon</td>
</tr>
</tbody>
</table>

| Total         | 210,231 |                                       |
| Difference    | 100,231 | Paid by the fund at Kashiwagi laboratory                       |