



# TSME-ICoME 2017    12-15 December 2017

## Arnoma Grand Hotel, Bangkok, Thailand

| <i>12 December 2017</i>        |                         |
|--------------------------------|-------------------------|
| Registration @ 1st Floor Foyer |                         |
| 13:00 - 18:00                  | Registration/Networking |

| <i>13 December 2017</i>                                     |  |
|---|--|
| Registration @ 3rd Floor Foyer                              |  |
| 08:00 - 08:30   | Registration/Networking  |
| Conference Opening and Keynote Speeches @ Arnoma Grand Room |  |
| 08:30 - 09:00   | <p>Welcome Speech by<br/> <b>Prof.Dr.Suwat Kuntanapreeda and Assoc.Prof.Dr.Sinchai Chinvorarat</b><br/>           Conference Co-chairs<br/>           Department of Mechanical and Aerospace Engineering,<br/>           King Mongkut's University of Technology North Bangkok (KMUTNB)<br/> <b>Prof.Dr.-Ing.habil. Suchart Siengchin</b><br/>           President, King Mongkut's University of Technology North Bangkok (KMUTNB)<br/> <b>Asst.Prof.Dr.Chinda Charoenphonphanich</b><br/>           President, Thai Society of Mechanical Engineers (TSME)<br/> <b>Prof.Dr.Mari Oshima</b><br/>           President, Japan Society of Mechanical Engineers (JSME)</p> |
| 09:00 - 09:20   | <p>Honorary Speaker<br/> <b>Mr. Stefan Bienefeld</b><br/>           Head of Development Cooperation and Transregional Programs<br/>           German Academic Exchange Service (DAAD)<br/> <i>The role of DAAD support in fostering Mechanical Engineering Capacity for Development</i></p>  |
| 09:20 - 09:35   | Ribbon Cutting Ceremony  |
| 09:35 - 10:00   | <p>Keynote Speaker<br/> <b>Univ.-Prof. Dr.-Ing. Heinz Peter Berg</b><br/>           Chair of Combustion Engines and Flight Propulsion<br/>           Brandenburg University of Technology Cottbus-Senftenberg, Germany<br/> <i>Microturbine- and Turbo-Fuel-Cell Technology for Highly Effective Generation of Electricity -- Example of an International Technology Transfer Supported by the DAAD</i></p>  |

## 13 December 2017 (Cont.)

|                  |  |               |            |               |               |         |
|------------------|--|---------------|------------|---------------|---------------|---------|
| 10:00 - 10:25    | Keynote Speaker<br><b>Prof. Dr. Shinichi Nakasuka</b><br>Department of Aeronautics and Astronautics<br>University of Tokyo, Japan<br><i>Micro/nano/pico-satellite Challenge for Novel Space Development and Utilization</i>  |               |            |               |               |         |
| 10:25 - 10:45    | Coffee Break   |               |            |               |               |         |
| 10:45 - 11:10    | Keynote Speaker<br><b>Prof. Dr. Yasuyuki Nishioka</b><br>Department of Engineering and Design, Faculty of Engineering and Design<br>Hosei University, Japan<br><i>Kaizen Approach to Smart Manufacturing for Connected Industries</i>  |               |            |               |               |         |
| 11:10 - 11:35    | Keynote Speaker<br><b>Dipl.-Ing. Michael Heinrich</b><br>Federal Cluster of Excellence "MERGE Technologies for<br>Multifunctional Lightweight Structures"<br>Chemnitz University of Technology, Germany<br><i>Technology Fusion in Series Production of Lightweight Structures</i> |               |            |               |               |         |
| 11:35 - 12:00    | Keynote Speaker<br><b>Prof. Dr. Suwat Kuntanapreda</b><br>Department of Mechanical and Aerospace Engineering, Faculty of Engineering<br>King Mongkut's University of Technology North Bangkok, Thailand<br><i>Lessons Learned from KNACKSAT Satellite</i>                          |               |            |               |               |         |
| 12:00 - 13:00    | Lunch  |               |            |               |               |         |
| <i>Session 1</i> |  |               |            |               |               |         |
| @                | Arnoma I   | Arnoma II     | Arnoma III | Thip-ubol     | Pathummas     | Sarocho |
| 13:00 - 13:20    | AMM0005  | AEC0002       | CST0001    | DRC0002       | AME0004       | TSF0001 |
| 13:20 - 13:40    | AMM0008  | AEC0003       | CST0002    | DRC0003       | AME0005       | TSF0003 |
| 13:40 - 14:00    | AMM0009  | AEC0005       | CST0006    | DRC0006       | AME0006       | TSF0004 |
| 14:00 - 14:20    | AMM0015  | AEC0004       | CST0007    | DRC0011       | AME0008       | TSF0005 |
| 14:20 - 14:40    | AMM0004  | AEC0019       | CST0005    | DRC0008       | AME0009       |         |
| 14:40 - 15:00    | Coffee Break   |               |            |               |               |         |
| <i>Session 2</i> |  |               |            |               |               |         |
| @                | Arnoma I   | Arnoma II     | Arnoma III | Thip-ubol     | Pathummas     | Sarocho |
| 15:00 - 15:20    | AMM0010  | Invited Spkr. | CST0009    | Invited Spkr. | Invited Spkr. | TSF0006 |
| 15:20 - 15:40    | AMM0011  | AEC0006       | CST0011    | DRC0013       | AME0010       | TSF0007 |
| 15:40 - 16:00    | AMM0012  | AEC0009       | CST0012    | DRC0007       | AME0011       | TSF0008 |
| 16:00 - 16:20    | AMM0013  | AEC0010       | CST0013    | DRC0016       | AME0012       | TSF0009 |
| 16:20 - 16:40    | AMM0016  | AEC0007       | CST0014    | DRC0028       | AME0016       | TSF0010 |
| 16:40 - 17:00    | AMM0002  |               | CST0015    | DRC0029       | AMM0020       | TSF0011 |

| <b>14 December 2017</b> |  |               |               |           |               |               |
|-------------------------|--|---------------|---------------|-----------|---------------|---------------|
| <i>Session 3</i>        |  |               |               |           |               |               |
| @                       | Arnoma I   | Arnoma II     | Arnoma III    | Thip-ubol | Pathummas     | Sarocha       |
| 09:00 - 09:20           | BME0001  | Invited Spkr. | Invited Spkr. | DRC0017   | Invited Spkr. | Invited Spkr. |
| 09:20 - 09:40           | BME0002  | AEC0013       | CST0016       | DRC0019   | ETM0002       | TSF0012       |
| 09:40 - 10:00           | BME0009  | AEC0014       | CST0017       | DRC0020   | ETM0003       | TSF0013       |
| 10:00 - 10:20           | BME0010  | AEC0012       | CST0018       | DRC0024   | ETM0001       | TSF0014       |
| 10:20 - 10:40           | Coffee Break   |               |               |           |               |               |
| <i>Session 4</i>        |  |               |               |           |               |               |
| @                       | Arnoma I   | Arnoma II     | Arnoma III    | Thip-ubol | Pathummas     | Sarocha       |
| 10:40 - 11:00           | AMM0017  | Keynote Spkr. | BME0003       | DRC0005   | AME0001       | TSF0015       |
| 11:00 - 11:20           | AMM0018  | AEC0015       | BME0007       | DRC0021   | AME0003       | TSF0017       |
| 11:20 - 11:40           | AMM0019  | AEC0017       | BME0006       | CST0020   | AME0013       | TSF0019       |
| 11:40 - 12:00           | AMM0022  |               | BME0011       | CST0022   | AME0014       | TSF0025       |
| 12:00 - 13:00           | Lunch  |               |               |           |               |               |
| <i>Session 5</i>        |  |               |               |           |               |               |
| @                       | Arnoma I   | Arnoma II     | Arnoma III    | Thip-ubol | Pathummas     | Sarocha       |
| 13:00 - 13:20           | AMM0021  | IEI0001       | Invited Spkr. | DRC0004   | ETM0007       | TSF0022       |
| 13:20 - 13:40           | AMM0023  | EDU0002       | CST0023       | DRC0022   | ETM0008       | TSF0020       |
| 13:40 - 14:00           | AMM0024  | EDU0003       | CST0026       | DRC0023   | ETM0009       | TSF0023       |
| 14:00 - 14:20           | AMM0025  | EDU0004       | CST0019       | DRC0025   | ETM0010       | TSF0024       |
| 14:20 - 14:40           | AMM0026  | EDU0001       | CST0024       | DRC0026   | ETM0012       |               |
| 14:40 - 15:00           |  | EDU0005       | CST0025       | DRC0027   | ETM0005       |               |
| 15:00 - 16:00           | Poster Session @ 3rd Floor Foyer (ASEAN0001-0010, DRC0014)<br>Coffee Break |               |               |           |               |               |
| 16:30 - 18:00           | Move to Pier: Buses leave from the hotel parking lot                       |               |               |           |               |               |
| 18:00 - 21:00           | TSME Annual General Meeting & Banquet Dinner on a Cruise                   |               |               |           |               |               |

| <b>15 December 2017</b>      |  |           |            |           |           |         |
|------------------------------|--|-----------|------------|-----------|-----------|---------|
| <i>Session 6</i>             |  |           |            |           |           |         |
| @                            | Arnoma I                                 | Arnoma II | Arnoma III | Thip-ubol | Pathummas | Sarocha |
| 09:00 - 09:20                | AMM0003                                  | AEC0008   | CST0003    | DRC0001   | BME0004   | TSF0002 |
| 09:20 - 09:40                | AMM0006                                  | AEC0011   | CST0008    | DRC0009   | BME0005   | TSF0016 |
| 09:40 - 10:00                | AMM0007                                  | AEC0018   | CST0010    | DRC0010   | BME0008   | TSF0018 |
| 10:00 - 10:20                | AMM0014                                  | AEC0001   | CST0021    | DRC0012   | ETM0006   | TSF0021 |
| 10:20 - 10:40                | AME0002                                  | AEC0016   | CST0004    | DRC0015   | ETM0004   |         |
| 10:40 - 11:00                | AME0007                                  |           |            | DRC0018   | ETM0011   |         |
| 11:00 - 11:20                | Coffee Break                             |           |            |           |           |         |
| Closing Ceremony @ Arnoma II |  |           |            |           |           |         |
| 11:20 - 12:00                | Closing Remarks and Awarding Ceremony    |           |            |           |           |         |
| 12:00 - 13:00                | Farewell Lunch                           |           |            |           |           |         |
| 13:00 - 16:00                | Excursion Trip (Registered Participants) |           |            |           |           |         |