**Session 1**

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| **7:30** |  | **Coffee, Juice, Pastries, Fruit** |
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| **7:55** |  | **Welcome, Session Chair** |
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| **8:00** | **25.1.1** | **Transient CFD Simulation for Characterization and Optimization of Phosphoric Acid Reactor Design** |
|  |  | Ben Boyer, SPX Flow |
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| **8:30** | **25.1.2** | **Removal of Radionuclides from Phosphoric Acid** |
|  |  | Deborah Stetka, PE and Gilbert Immanuel, Hatch |
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| 9:00 |  | Break |
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| **9:15** | **25.1.3** | **Development of a Project** |
|  |  | Glenn Aaronson, Xylem |
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| **9:45** | **25.1.4** | **You Can't Always Get What You Want: A Value Engineering Story** |
|  |  | Steven Puricelli and Guy Cooper, EXP |
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| **10:15**  | **25.1.5** | **The Next Generation of Granulation Plants** |
|  |  | Chris Dennis, JESA Technologies and David Ivell, Ivell Consulting |
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| 10:45 |  | Break |
| **11:00** | **25.1.6** | **Use of Impervite Advanced Graphite Tubing in Phosphoric Acid Evaporator Service** |
|  |  | Joan Bova, CG Thermal |
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| **11:30**  | **25.1.7** | **Case Studies of Steam Optimization using Modern Tools in Phosphate Facilities** |
|  |  | Ryan Johnston, PE, Mosaic |
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| **12:00** | **25.1.8** | **Optimizing Agitation Processes in the Fertilizer Industry** |
| **12:30** |  | Dave Krebs and Patrik Kolmodin, Sulzer**End of Year Remarks, Engineer of the Year Award Presentation** |
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