**2022 Pool and Spa Conference Agenda**

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| **Introductions and**  **Orientation**  9:00AM – 9:10AM  1:00PM – 1:10PM | **10 minutes** | | | |
|  | **Pool Water Chemistry**  Speaker: Dave DeLong | **Other topics**  (Equipment, safety, O&M, illnesses)  Speaker: Jun Naotsuka | **Q&A Time** | **Break** |
| ***1st Segment***  AM Conference  9:10AM – 10:20AM  PM Conference  1:10PM – 2:20PM | **30 Minutes** | **20 minutes** | **10 minutes** | **10 minutes** |
| pH   * What is it?   + Acid/base/pH scale * Why is it important? * How is it measured?   + pH scale * Upper and lower limits * How is it controlled? * Chemicals used | More about pH   * Disinfectant’s effects on pH * Adjusting pH (dosing) * pH chemical safety |  |  |
| ***2nd Segment***  AM Conference  10:20AM – 11:25AM  PM Conference  2:20PM – 3:25PM | **25 minutes** | **25 minutes** | **10 minutes** | **5 minutes** |
| Disinfection   * Chlorination   + Types of Cl disinfectants   + Available Cl %   + HOCl vs OCl-   + Free Cl vs Combined chlorine   + Superchlorination (shocking) * Bromination   + HOBr vs OBr-   + Free Br vs Combined Br * Upper and lower limits   Cyanuric acid   * Where it comes from * What it’s for * Negative impact of it | More about disinfection   * RWIs and control of pathogens with disinfectants * Disinfectant feeders * Types * Adjusting feed rate * Safety * How to control CYA |  |  |
| ***3rd Segment*** | **20 minutes** | **30 minutes** | **10 minutes** | **0 minutes** |
| AM Conference  11:25AM – 12:25PM  PM Conference  3:25PM – 4:25PM | Alkalinity   * What is it? * Why is it important? * Ideal range   Calcium hardness   * What is it? * Why is it important? * Ideal range | Water Balance   * Langelier Saturation Index   + What is it?   + How is it calculated?   + When is it used? * Scaling/corrosion issue * Water clarity issue * How to adjust water balance |  |  |
| **Adjourn**  12:25AM – 12:35PM  4:25PM – 4:35PM | **10 minutes** | | | |