

## **ANNUAL COMMITTEE REPORT**

Committee Name: Monitoring of Dams and Their Foundations

Submitted by: Georgette Hlepas

Report Date: 30 April 2022

### **Committee Mission/Purpose**

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The Monitoring of Dams and Their Foundations Committee supports and promotes the advancement of the state-of-the-practice in the fields of instrumentation and performance monitoring of dams. The Committee discusses technical issues, develops guidelines and publications, presents workshops, and generally promotes the advancement and optimization of monitoring techniques.

The Committee membership includes professionals from: (1) government or private organizations that own and operate dams, (2) government organizations that regulate dam owners, (3) consulting engineers that provide engineering services to dam owners, and (4) suppliers that provide equipment used in the instrumented or visual monitoring of dams. The effectiveness of the committee efforts is enhanced by the diverse backgrounds, experiences, and perspectives of the various Committee members.

### **2021 Goals/Accomplishments (March 2021- April 2022)**

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- Provided reviewers and planners for the 2022 Conference Papers
- Held Quarterly Meeting: 5/06/21, 9/23/21, 2/25/22
- Continued work on 3 additional white papers
  - Fully grouted Piezometers (
  - Seismic Instrumentation of Dams (65% document)
  - Dewatering (early phases of concept and team building)
- Held Education & Training Webinar Event:
  - 22 July 2021 - Data Acquisition and Visualization 10 AM – 12PM MT
  - 26 August 2021 - Instrumentation Data Analysis Tips and Tricks 10 AM – 12 MT
- Held Fall 2021 Instrumentation and Monitoring Workshops
  - Session 1 - Traditional Dam Safety Instrumentation –November 8
  - Session 2 – Emerging and Future Dam Safety Instrumentation and Tools –November 9
  - Session 3 – Interactive Case Studies on Dam Safety Instrumentation –November 10
  - Session 4 – Owner’s Perspectives and Presentations on Data Evaluation –November 15

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### 2022 Goals

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- Continue Quarterly Meetings and Information Sharing/Networking with each other
- Engage Early Career Professionals More
  
- Hold Fall 2022 Workshop
  - Proposed Topic: Automation and Risk informed Monitoring
  
- Hold Additional Education and Training Webinar Events (Hlepas Lead Coordinator)
  - Focus on Training on our completed White Papers
    - Amanda Sutter to present on O&M white paper **26 May 2022 1pm central**
    - Manohree and Jay Stateler to present on Training of Operations Personnel white paper **23 June 2022**
  - Others: TBD
  
- Provide Reviews for USACE guide specs and Manuals
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- Continue Work on White Papers
  - Dewatering Guidance – New Start, Richard Bird is the lead
  - Fully grouted Piezometers – Ongoing, Pierre Choquet is the lead
  - Seismic Instrumentation of Dams – Ongoing, Ali Ebrahimi is the lead



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### **What do you need to accomplish your 2022 goals?**

- Continued support from USSD for virtual Share site for information sharing
  - Additional membership engagement - larger pool of volunteers to help complete tasks
  - Support for webinar event coordination
  - Support for membership attraction and maintenance of information
  - Support for advertisement of events – low enrollment in virtual events
  - Support for free webinar attendance and access to MDTF documents for members
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