



## 2019 COMMITTEE ACTIVITIES REPORT

Committee on Concrete Dams (Committee)

Submitted by Committee Chair: Dr. Jerzy Salamon, March 18, 2019

**Goal – Educate, train, and communicate the investigation, evaluation, analysis, design, and construction of concrete dams.**

Committee Chair: Jerzy Salamon, email: [jsalamon@usbr.gov](mailto:jsalamon@usbr.gov), tel. 303-445-3219

Vice Chair: Greg Zamensky, email: [zamenskyg@bv.com](mailto:zamenskyg@bv.com)

Vice Chair (YP): Hillery Venturini, email: [hventurini@usbr.gov](mailto:hventurini@usbr.gov)

As of January 2019, the Committee has 36 members, including 8 YPs.

The primary Committee's activities over the past year included:

- Updates to the Committee Charter submitted to the Board for approval (enclosed).
- Organized a workshop *Evaluation of Numerical Models and Input Parameters in the Analysis of Concrete Dams*, Miami, May 3, 2018 (for about 60 participants).
- A new subcommittee “Concrete Dam Raises” was formed during the meeting in Miami on April 30, 2018. The subcommittee led by Aled Hughes (Chair) has 12 Committee members and is tasked with developing an USSD White Paper on concrete dam raises in the United States.
- Completion of ICOLD Bulletin 177 *Roller Compacted Concrete Dams* – Involvement: chapter lead authors: Rafael Ibanez-de-Aldecoa - Construction, Tim Dolen - Performance; Mike Rogers - RCC Other Uses, with a support of Del Shannon, Aled Hughes, Jerzy Salamon, Glan Tarbox.
- Development of the new ICOLD Bulletin *Management of Expansive Chemical Reactions in Concrete Dams & Hydroelectric Projects* led by Dr. Robin Charlwood with the support of Jerzy Salamon. The bulletin was submitted for the review in March 2019.
- Committee members reviewed & provided comments on ICOLD Bulletin *Selection Dam Types*.
- Several Committee's members participated in the ICOLD Congress in Vienna, July 2018.
- Dr. Salamon is appointed a Vice-Chair of a subcommittee of the ICOLD Committee on Concrete Dams preparing a new bulletin *Arch Dam Design Methodologies and Criteria*.
- 15<sup>th</sup> ICOLD International Benchmark Workshop on Numerical Analysis of Dams – Jerzy was retained by the ICOLD Committee on Numerical Analysis to formulate Theme A: *Seismic Analysis of Pine Flat Concrete Dam* for the Benchmark Workshop in Milan, Italy, 9-11 September 2019. <https://www.eko.polimi.it/index.php/icold-bw2019/2019>

Involvement in the 2019 USSD Annual Conference in Chicago:

- Involvement in 2019 USSD Conference Organizing Committee
- Moderating Conference Session 1C, Concrete I and Session 4A, Concrete II
- Organizing Workshop: *Introducing ICOLD Bulletin 177 on Roller Compacted Concrete*
- Organizing Workshop: *Seismic Evaluation of Concrete Dams*
- Organizing the Committee & Subcommittee on Dam Raises meetings