

CFRD INTERNATIONAL SOCIETY

Charrette on Key Technology for High CFRD Construction & Celebrating Founding of CFRD Int. Society

Nov. 30~Dec.3, 2008
Hong Kong, China

Sponsored By:



CFRD Int. Society

MAIN THEMES

1. Application of extruded curb technology in high CFRD construction
 - a. case study
 - b. application experience
 - c. improving design, construction and extruder
2. Measures to eliminate cracks at face slabs of high CFRDs
 - a. design technology
 - b. construction technique
 - c. additive application
 - d. construction equipment improvement
3. Discussion on key technologies for extra high CFRD construction
 - a. design technology
 - b. construction technique
 - c. performance and management
 - d. materials, equipments and additive improvement (especially in compaction equipment and layer thickness)
 - e. scientific research and analog computation
 - f. instrumentation and experimental findings
4. Case study on 300m high CFRD construction
 - a. design technology
 - b. construction technique
 - c. performance and management
 - d. materials, equipments and additive improvement

- e. scientific research and analog computation
 - f. instrumentation and experimental findings
5. Discussion on the high CFRD Design Code

VENUE

Hong Kong, China

LANGUAGE

The working language of the Charrette is English.

PAPER SUBMISSION

Papers addressing the Charrette themes are solicited and encouraged to be presented. The completed paper in English should be submitted to the Secretariat before August 30, 2008 by emails: yssdchen@msn.com, ywhs@msn.com.

The paper must be included with the affiliation, mailing address of the first author, fax number and e-mail address.

REGISTRATION

The Registration Form is enclosed in this bulletin, which should be completed and return to the Secretariat by July 30, 2008. Please be notified that registration can only become effective upon receiving both the Registration Form with correct payment.

REGISTRATION FEE (in US\$)

	July 30, 2008	Nov. 30, 2008
Participants	500	550

BANK ACCOUNT DETAILS:

BANK OF CHINA

SAN XIA BRANCH GE ZHOU BA SUBBRANCH

GE ZHOU BA PARTMANAGE PLACE SAVE SHOPPE

Chen Qian

4641405-0188-003394-1

Code: BKCHCNBJ600

Be sure not to omit Chen Qian in the account.

Advisory Committee

Paulo Cruz Prof. Brazil Vice president of CFRD Int. Society
Ren Shangqing Consultant of CFRD Int. Society, former Chief Engineer of China Gezhouba Group Corporation
Markus Aufleger Prof. Head of Institute University Innsbruck – Hydraulic Engineering, Austria
Pedricto Rocha Filho Professor Pontifical Catholic University of Rio de Janeiro Brazil
Dr. K. Shadananan Nair Executive Secretary & Director of Research Centre for Earth Research & Environment Management India
S. Mohsen Haeri Professor Head, Geotechnical Engineering Studies and Research Center Sharif University of Technology Iran

Technical Committee

Chairman: Bayardo Materon Brazil President of CFRD Int. Society

Vice Chairman:

Humberto Marengo, Mexico Vice President of CFRD Int. Society

Palmi Johannesson Member of CFRD Int. Society
Vice chairman of CFRD WORLD

Members:

Manoel S. Freitas Jr Brazil Member of CFRD Int. Society

Björn Stefánsson Iceland Member of CFRD Int. Society

Tauseef I. Choudry Vice President MWH (Montgomery Watson Harza) USA

Jorge Crempien Dean College of Engineering Universidad de los Andes, Chile

Wang Dengke Deputy Chief Engineer of Xiaolangdi Engineering Consulting Co., Ltd China

Yang Xiaoming Member of of CFRD Int. Society Hubei Province Design Institute, China

Zhou Pingji Maniging Director Laodikou Hydropower Development Co. Ltd, China

Organizing Committee

Chairman: Alberto Scuero Vice president of CFRD Int. Society
Design & Administration CARPI TECH S.A. Switzerland

Executive Vice Chairman:

Chen Qian Secretary General of CFRD Int. society

Managing Director of HydrOu China

Members:

- Julio Echevarria Member of CFRD Int. Society
Carén Tailing Dam Project Vicepresidencia Corporativa de
Proyectos
CODELCO, Chile
- Normand Beauséjour Canada Member of CFRD Int. Society

Secretariat

- Secretary General: Huang Fangfang Secretary of CFRD Int. Society
- Deputy Secretary General: Zheng Ya Senior Engineer,
Deputy Managing Director of HydrOu China

Opening speech made by Mr. Bayardo Materon President of CFRD Int. Society

Closing speech made by Humberto Marengo Mogollón Vice President of CFRD Int. Society

Opening ceremony chaired by Mr. Chen Qian Secretary General of CFRD Int. Society

Closing ceremony chaired by Alberto Scuero Vice President of CFRD Int. Society

Charrette on Key Technology for High CFRD

Construction

Registration Form

Name	Sex	Position	Title
Pedro Pablo Castellanos	Male		
Country			
Organization			
Address			
Tel/Fax			
Email			
Position Charrette	in	Member	
Article submit	to		
Main outstanding achievements to be introduced by presiding chairman;:			



Charrette on Key Technology for High CFRD

Nov. 30~Dec.3 2008 Hong Kong

Secretary No: CC01

Time	Subject	Description	Chair	
Nov. 30 8:00~19:00.	Registration	Charrette venue : Hong Kong Regal Airport Hotel Add: 9, Cheong Tat Road ,Hk International Airport, Chek Lap Kok, Hong Kong Tel: 00852-22868888 Conference venue : The Hotel Meeting Hall	Chen Qian (China) John Tan (Singapore)	
Dec.1	8:00~9:00	Opening ceremony	Humberto Marengo (Mexico)	
	9:00~9:30 ~10:00	Photo taken Coffee break		
	10:00~12:00	Presentation	Paulo Cruz (Brazil)-- Design Criteria for CFRD Tang Yu (China) ---- Seismic stability of CFRD after having been impacted by the magnitude 8.0 earthquake	Chen Wuyi (China)
	12:00~	Lunch	The Hotel Restaurant	
	14:30~16:00	Presentation	Tauseef I. Choudry (USA) -- Construction Aspects of Concrete Face Rockfill Dams Wang Dengke (China)-- Brief Introduction to Sand-gravel Dam Seepage Control Construction Technologies for Xixiyuan Counter Reservoir with Inclined Compound Geomembrane Core	Alberto Scuero (Italy)
	16:00~16:30	Coffee break		
16:30~18:00	Presentation	Yang Xiaoming (China) -- Study on construction of 300m high CFRDs Zhang Lizhi (China) --Design of Xiaohe CFRD Yang Lihao (China) Control technology for uplift due to grouting into plinths	Markus Aufleger (Austria)	
18:00~	Dinner	The Hotel Restaurant		
8:00~10:00	Presentation	B. Materón (Brazil) -----The development of the Extruded Curb as important construction tool for CFRDs Weerayot Chalermnon (Thai)----Design and construction of Nam Ngum2 CFRD in Laos Pedricto Rocha Filho (Brazil) ---- Leakage Detection by DTS	Tauseef. Choudry (USA)	
10:00~10:30	Coffee break	Markus Aufleger (Austria) --- Observed and Predicted Deflections of Upstream Membrane of Rockfill Dams During Reservoir Filling		

Dec.2	10:30~120:00	Presentation	<p>Zhou Pingji (China) --- Construction management on Laodukou CFRD</p> <p>Gong Qianliang (China) --- Construction Practice of CFRD of Upper Reservoir of Yixing Pumped-storage Power Plant</p> <p>Ge Lianhe (China) --- Application of extruded curb technology in Xiaohu CFRD Construction</p> <p>Zhang Jianguo (Chian) ---Improvement in extruder for extruded curb of CFRD Construction</p> <p>The Hotel Restaurant</p>	Pedricto Rocha Filho (Brazil)
	120:00~	Lunch		
	13:50~	Preparatory meeting	Participants: leaders of groups---how to chair next day's discussion in group	B. Materón
	14:30~15:30	Design code	Yang Xiaoming --- Advice for Design Code for High Concrete Face Rockfill Dams	S.C.Mittal (India)
	15:30~16:00	Coffee break		
	16:00~18:00	Discussion	Discussion in groups Chaired by group leaders for collecting modifications and supplements for the design code	Group leaders and deputy leaders
18:00~	Dinner	The Hotel Restaurant		
19:00~19:30	Working meeting	Participants: President, vice presidents and Secretary General , directors and members of CFRD Int. Society Subject: Working plan for 2009~2010 and suggestions for CFRD Int. Society	B. Materón	
Dec.3	8:00~10:00	Presentation of discussions	Presentations by group leaders in series order 1,2,3,4,5,6,7 15min/ presenters	Ramadhan Mohammed (Iraq)
	10:00~10:30	Coffee break		
	10:30~12:00	Finalizing the code	<p>Participants:</p> <p>1. Finalizers</p> <p>B. Materón</p> <p>Cao Keming (China)</p> <p>H. Marengo (Mexico)</p> <p>Paulo Cruz (Brazil)</p> <p>Alberto Scuero (Italy)</p> <p>2. Draftsmen:</p> <p>Yang Xiaoming (China)</p> <p>Manoel S. Freitas Jr (Brazil)</p>	B. Materón
	120:00~	Lunch		

			<p>Tan Yuen Leong (Malaysia)</p> <p>Chen Qian (China)</p> <p>3.Composers : Ren Shangqing (China)</p> <p>.....et al</p> <p>The Hotel Restaurant</p>	
14:30~16:00	Issue the code	B. Materón	Adama NOMBRE	
16:00~16:30	(probation)	(Chinese version by Ren Shangqing)	(Burkina Faso)	
	Coffee break			
16:30~17:30	Minutes	Paulo Cruz	Weerayot	
	Closing	Chen Qian	Chalermnon	
18 : 00 ~	Dinner	The Hotel Restaurant	(Thai)	

Discussion on the design code in groups

1. **Design Group :** Yuan Hui (China)
Deputy leader : Manoel S. Freitas Jr (Brazil) Wang Dengke (China) Deng Chuanli (China)
2. **Construction Group :** Tauseef. Choudry (USA)
Deputy leader : Gong Qianliang (China) S. C. Mittal (India) Adama NOMBRE (Burkina Faso)
3. **Research Group :** Mercer Island (USA)
Deputy leader : Yang Xiaoming (China) Shadananan Nair (India) Zhang Lizhi (China)
4. **Material Group :** Markus Aufleger (Austria)
5. **Construction Management Group :** Weerayot Chalermnon (Thai)
Deputy leader : Tan YL (Malaysia) Zhou Pingji (China)
6. **Construction plants :** Carlos A Jaramillo (USA)
Deputy leader : Zhang Jiaguo (Chian)
7. **Instrumentation Group :** Pedricto Rocha Filho (Brazil)
Deputy leader : Ren Shangqing (China)
8. **Aseismic Design Group :**

Dear Sir,

How are you these days?

CFRD INTERNATIONAL SOCIETY organized CFRD experts from relative countries for comprehensive summing up the experiences of constructions of world concrete face rockfill dam (CFRD) and studied the technical problems occurred recent years in the constructions of world high and very high CFRDs, and presented the effective measures for overcoming them in May 2007 so as to meet the requirements for development of the world high CFRDs. It is hereby to compose this High Concrete Face Rockfill Dam Design Code. The purpose of this Code is to provide guidance to the world CFRD builders to construct high CFRDs successfully.

The main contents of this code include the basic stipulations and requirements for layouts of high and very high CFRDs and their related outlet and draining structures; detailed zonings of dam body rockfills or gravel materials; property of dam filling materials and filling quality standards; dam body design and calculation; excavation and treatment of dam foundation and bank slopes ; design of concrete plinth, face slab and connecting plate; design of joint water stops for all types of joints such as perimeter joints and vertical joints; construction in stages and raising of built CFRDs and arrangement design of prototype observations, etc.

This paper is now published for the purpose of taking counsel with revising the paper. It will be officially published in a proper time by CFRD Int. Society.

The code can guide the construction of world high or very high CFRDs and also renew new theory and ideas for design of middle and low CRRDs.

People involved in CFRD construction can feel free to revise the paper with convictive theory and practice.

1. Finalizers:

Bayardo Materon	Brazil
Cao Keming	China
Paulo Cruz	Brazil
Humberto.Marengo	Mexico
Alberto Escueiro	Italy

2. Drafters:

Yang Xiaoming	China
Manoel S. Freitas Jr	Brazil
Tan Yung. Leong	Malaysia
Chen Qian	China

3. Composers:

Ren Shangqing	China
Yuan Hui	China
Fernando Saboya	Brazil
Etienne Frossard	Mexico
Palmi Johannesson	USA
Fabio Amaya	Iran

1. The design code for high CFRDs will be discussed at Charrette Nov. 30~Dec.3, 2008 Hong Kong and after that published by CFRD Int. Society for the purpose of guiding the design of world CFRDs successfully, especially for high, middle high and very high CFRDs .

Any CFRD builders are welcome to attend this Charrette paying registration fee at USD\$500/person. You will be paid USA \$100 i.e. send CFRD Int. Society USD\$400.

2. The code () will be published officially in English and Chinese in Journal of *CFRD WORLD* ISSN 1997-9185 and put in practice.

3. CFRD experts, one or two nominated by you can be composers of the code with a composer fee of USD \$ 700 (you get USD\$200) from designer or/and constructor /contractor, supervisor, senior staff, or owner or researcher in any part of your country or/ and accumulated much experience for high CFRD design or/and construction, or management or supervision, or research

4. Companies could be one of cosponsors of the code publication if they want to make promotions of their products, technologies, equipments, instrumentations, materials related to CFRDs, following the Text of the code , cosponsor fee may be USD\$ 2000~2500, you will get 30% as commission.

5. You may subscribe our high concrete face rockfill dam design code instead of CFRD Int. Society at USD\$ 70 , you will get USD\$ 50 / copy..

All these transactions shall be finished before August 30, 2008 and send the remaining sum to CFRD Int. Society after your deduction from each case.

CFRD INT. SOCIETY SECRETARIAT

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