



COMITÉ FRANÇAIS DE MÉCANIQUE
DES SOLS ET DE GÉOTECHNIQUE



ACADEMIE
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POUR UN PROGRÈS RAISONNÉ, CHOISI ET PARTAGÉ



Charles-Augustin COULOMB - A geotechnical tribute

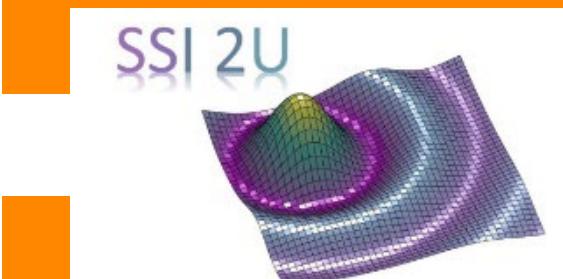
Paris, september 25 & 26, 2023



A. Pecker
CFMS



BUREAU
VERITAS

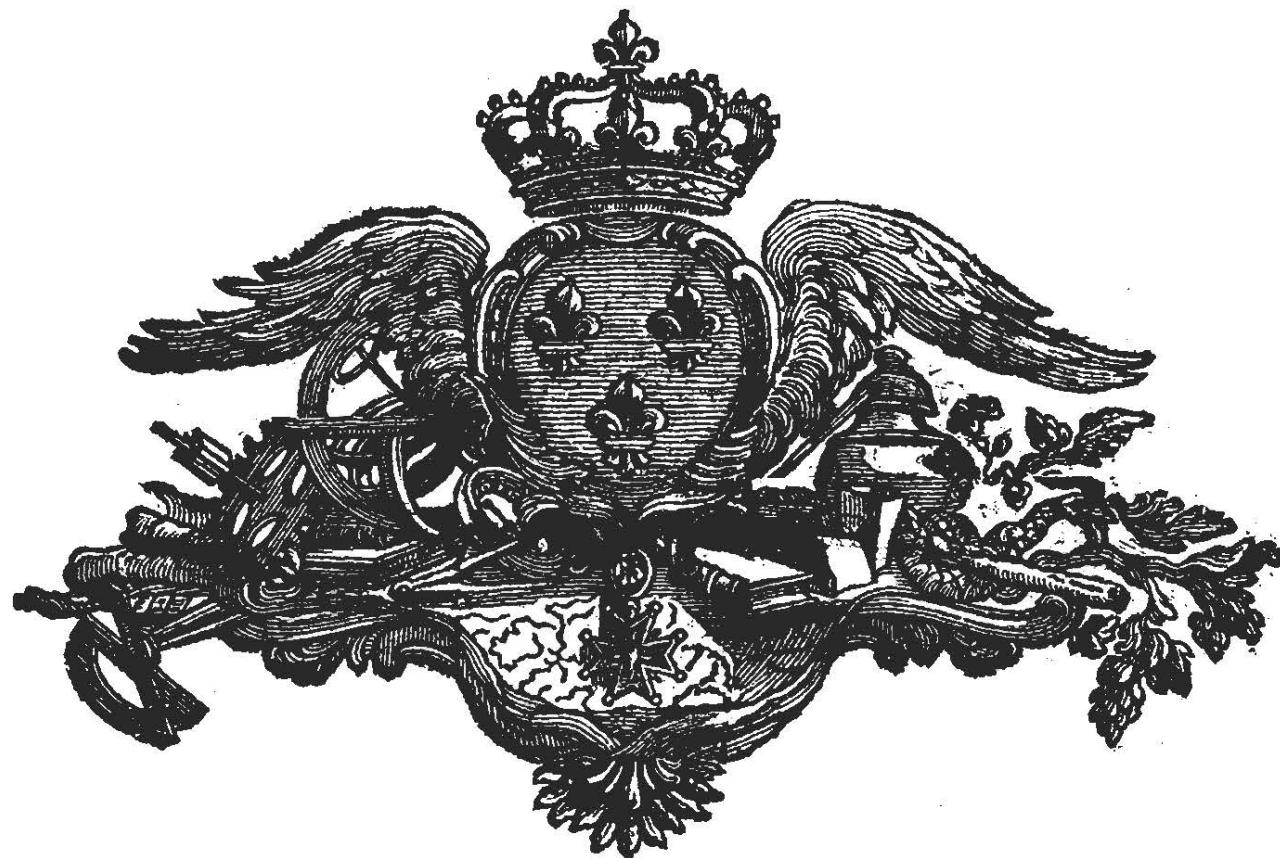




MÉMOIRES
DE
MATHÉMATIQUE
ET
DE PHYSIQUE,

Présentés à l'Académie Royale des Sciences, par
divers Savans, & lus dans ses Assemblées.

Année 1773.



A PARIS,
DE L'IMPRIMERIE ROYALE.

M. DCCLXXVI.

DES SCIENCES.

343

ESSAI

*Sur une application des règles de Maximis & Minimis
à quelques Problèmes de Statique, relatifs à
l'Architecture.*

Par M. COULOMB, Ingénieur du Roi.

INTRODUCTION.

CE Mémoire est destiné à déterminer, autant que le mélange du Calcul & de la Physique peuvent le permettre, l'influence du frottement & de la cohésion, dans

Program : 1st day

First Day : Monday September 25				
Event	Schedule	Speaker	Abstract	Chairman
Opening and welcome	9h-9h45	Pr. A. Pecker		A. Pecker - Professor ENPC ; CFMS President Emeritus
Introduction ISSMGE	9h45-10h	Dr. M. Ballouz, President of ISSMGE		
1 st session	10h-10h45	Pr. J. Salençon	Coulomb's contribution to soil mechanics	
Coffee break	10h45-11h			
Honorary Coulomb's lecture	11h-12h30	Pr. P.K. Robertson	Honorary Coulomb's lecture	N. Utter - Soletanche Bachy ; President of CFMS
Lunch	12h30-14h			
2 nd session	14h-14h45	Pr. Callisto	Retaining structures including seismic analysis	E. Faccioli - Formerly Professor Politecnico de Milano Chairman Studio Geotecnico Italiano
	14h45-15h30	Pr. Krabbenhoft	Computational limit analysis and extensions	
Coffee break	15h30-16h			
Workshop on retaining structures calculation methods (bilingual session)	16h-17h30	J.-D. Vernhes, UniLaSalle Institut Polytechnique	Earth pressure estimation – Which methods before Coulomb?	S. Burlon - Terrasol
		S.Burlon, Terrasol	Estimation of the active and passive earth pressure – What do we owe to Boussinesq and Caquot?	
		C. Maurel & G. Haiun, Cerema	Review of 50 years of wall construction in France	S. Borel - Soletanche Bachy, President of EFFC
		E. Bourgeois, Université Gustave Eiffel	The finite element method and embedded walls	
Gala dinner	19h30-22h30		Dinner cruise on La Seine river	

Program : 2nd day

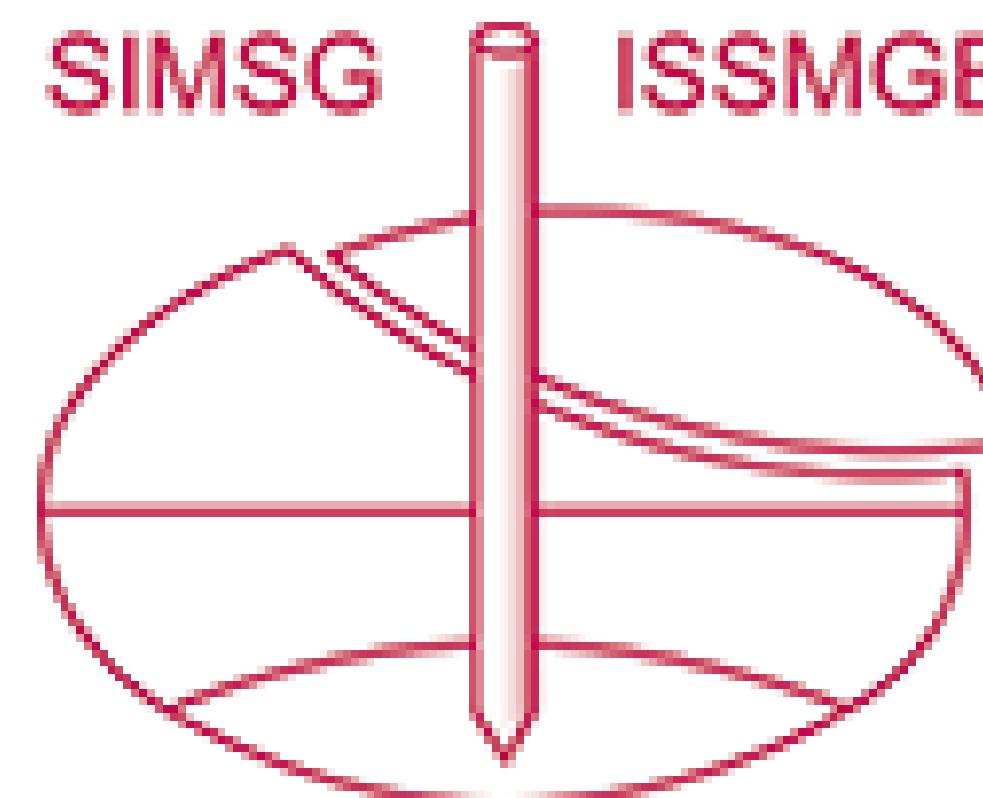
Second Day : Tuesday September 26				
Event	Schedule	Speaker		Chairman
3 rd session	9h-9h45	P. Schmitt	French practice for design of embedded walls: history and background, limitations of models	S. Springman - Emeritus Professor ETH Zurich
	9H45-10h30	Pr. P. de Buhan	Application of the yield design theory to the stability analysis of reinforced soil structures	
Coffee break	10h30-11h			
4th session	11h-11h45	Dr. J. de Sauvage	An adaptation of Limit Equilibrium Methods for the design of soil-nailed walls facings	V. Bernhardt - Terrasol ; CFMS President Emeritus
5th Session	11h45-12h30	Dr. S. Lacasse	Coulomb, the artisan of modern geotechnical engineering	R. Frank - Honorary Professor ENPC ; Former President of ISSMGE
Lunch	12h30-14h			
Workshop on retaining structures execution methods (bilingual session)	14h-16h	N. Freitag, Terre Armée	Reinforced Earth and its heritage – Reinforced soil walls	S. Burlon
		F.Louvel, Spie Batignolles Fondations	Execution of diaphragm walls and anchors – The latest innovations	
		C.Justino, Soletanche Bachy	Concrete and geotechnics	
		T. Huyghues-Beaufond Société du Grand Paris	What to remember from 10 years of Grand Paris Express? A panorama of retaining structures at great depth	
Closure of symposium	16h-16h15	N. Utter		

SYMPOSIUM UNDER THE PATRONAGE



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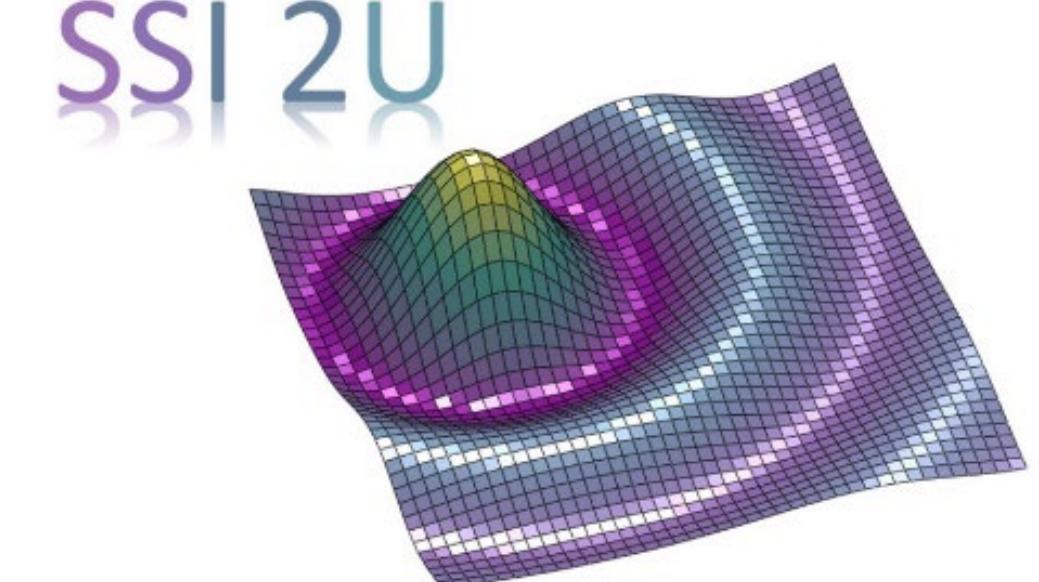
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Shaping a World of Trust



THANKS TO

❖ SPEAKERS

- Invited speakers
- Contributors to the workshops

❖ CHAIR PERSONS

❖ PARTICIPANTS

❖ ORGANIZING COMMITTEE and RFG