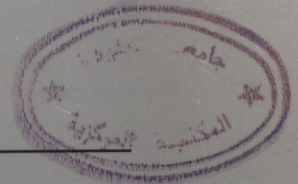




National Research
Council Canada

Conseil national
de recherches Canada



NRC-CNRC

Canadian
Journal of
Civil Engineering

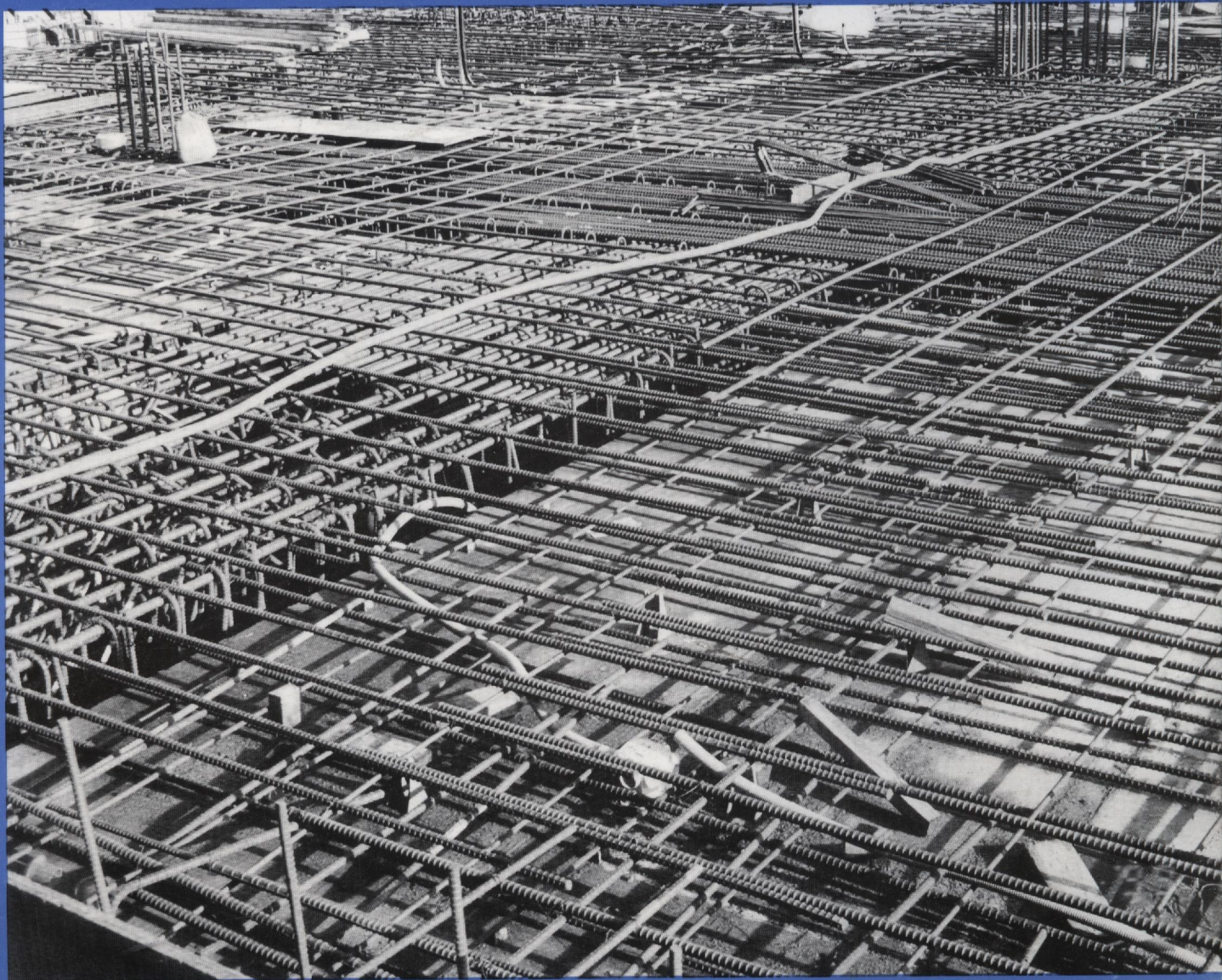
Revue
canadienne
de **génie civil**

Volume 33, Number 12, December 2006

Volume 33, numéro 12, décembre 2006

**Special Issue on
Construction Engineering**

**Numéro spécial consacré au
génie de la construction**



<http://cjce.nrc.ca>

<http://rcgc.cnrc.ca>



National Research
Council Canada

Ottawa, Canada
K1A 0R6

Conseil national
de recherches Canada

Ottawa, Canada
K1A 0R6

Postage paid at Ottawa
Publications mail
Registration No. 40062591

Port payé à Ottawa
Poste-publication
Enregistrement n° 40062591

USPS periodical postage paid at Plattsburgh, NY 12901, USA

Canadian Journal of Civil Engineering

Volume 33, Number 12, December 2006

Revue canadienne de génie civil

Volume 33, numéro 12, décembre 2006

Special Issue on Construction Engineering

v-vi

Information technology and modeling

ARTICLES

- Mahmoud R. Halfawy, Dana J. Vanier, and Thomas M. Froese 1459-1469
- Jeff H. Rankin and Irina Kondratova 1470-1479
- Hongqin Fan, Hyoungkwan Kim, and Osmar R. Zaiiane 1480-1489
- A. Reza Tabesh and Sheryl Staub-French 1490-1504
- Y. Mohamed and S.M. AbouRizk 1505-1515

Innovation

- A.D. Russell, P. Tawiah, and S. De Zoysa 1519-1537
- J.H. Rankin and R. Luther 1538-1546
- Adel Francis and Edmond Miresco 1547-1557

Training, benchmarking, and productivity

- Aminah Robinson Fayek, Mike Yorke, and Ron Cherlet 1561-1570

Numéro spécial consacré au génie de la construction

Introduction / Introduction

Technologie de l'information et modélisation

ARTICLES

- Standard data models for interoperability of municipal infrastructure asset management systems
- Mobile multimodal extensions to collaborative Web-based systems
- Data warehousing for construction equipment management
- Modeling and coordinating building systems in three dimensions: a case study
- A hybrid approach for developing special purpose simulation tools

Innovation

- Project innovation — a function of procurement mode?
- The innovation process: adoption of information and communication technology for the construction industry
- A chronographic method for construction project planning

Formation, étalonnage et productivité

- Workforce training initiatives for megaproject success

Continued on inside back cover / Suite au verso

Front cover: Reinforcing steel for the ground floor slab in a retail-commercial-residential complex; the quality challenge — getting it right (photo courtesy of Dr. Alan D. Russell, The University of British Columbia).

Page couverture : Acier d'armature de la dalle du rez-de-chaussée d'un immeuble résidentiel et commercial — comment en assurer la qualité? (Photo offerte par Alan D. Russell, The University of British Columbia).

Canada

Printed in Canada by / Imprimé au Canada par
NRC Reprographic Services / Service de reprographie CNRC
Page production by / Mise en page par
NRC Research Press / Presses scientifiques du CNRC



0315-1468(200612)33:12;1-#