 <p data-bbox="528 297 687 342">Santiago de Chile 15 – 17 July 2008</p>	<p data-bbox="791 125 1337 315" style="text-align: center;">CIB-W78 25th International Conference on Information Technology in Construction</p>
<p data-bbox="301 387 1292 416" style="text-align: center;">Improving the management of Construction Projects through IT adoption</p>	

CONFERENCE FINAL REPORT

Prepared by: Leonardo Rischmoller and Robert Amor

The 25th International Workshop of CIB W78 Computer Integrated Construction: Improving the management of construction projects through IT adoption ran from July 15th to July 17th, at the Marriott hotel in Santiago, Chile. The workshop was organized by the Department of Construction Engineering and Management at Universidad de Talca – Chile and co-organized by the Construction Engineering and Management Program of the Department of Civil and Environmental Engineering and the Center for Integrated Facility Engineering (CIFE) at Stanford University. The organizing committee comprised:

Conference Chair

Leonardo Rischmoller
Universidad de Talca, Chile

Conference Co-Chair

Martin Fischer
Stanford University, U.S.A.

Honorary Chair

Hojjat Adeli
The Ohio State University, U.S.A

The workshop theme was “Improving the construction management of projects through IT adoption”. This theme acknowledges the many technological advancements in Construction IT that have been accomplished in the last two decades and that have been presented at many prior W78 workshops. It recognizes sustained adoption and implementation of IT-based work processes as a major current challenge and opportunity.

42 researchers, academics and practitioners in the Built Environment from 16 countries attended and presented papers on how to encourage, foster, and promote research and development in the application of integrated IT throughout the life-cycle of the design, construction and occupancy of buildings and related facilities.

Of the 86 original abstracts, 42 papers were accepted to be presented at the conference and included in the conference proceedings. All the abstracts and papers were reviewed by the international scientific W78 committee. Table 1 shows the conference themes and the number of papers presented for every theme.


 <p data-bbox="528 297 687 342">Santiago de Chile 15 – 17 July 2008</p>	<p data-bbox="791 125 1337 315" style="text-align: center;">CIB-W78 25th International Conference on Information Technology in Construction</p>
<p data-bbox="301 387 1292 416" style="text-align: center;">Improving the management of Construction Projects through IT adoption</p>	



Table No 1

Conference Theme	Number of papers presented
Building Information Modeling	6
Product and Process Modeling	5
Collaborative Engineering and Design	5
IT Adoption / Implementation	5
e-Business, e-Government and e-Construction	5
Construction Management	4
Visualization and Virtual Reality	7
Other themes	5

Table 2 shows the keynote speakers and their keynote presentation titles. Representatives from the local Chilean construction industry were invited to participate at the keynote presentations on the first day of the conference

Table No 2

Keynote speaker	Keynote presentation
<p data-bbox="225 1279 778 1496">Dr Martin Fischer Professor of Civil and Environmental Engineering Director, Center for Integrated Facility Engineering (CIFE) Stanford University (USA)</p>	<p data-bbox="804 1279 1356 1346">Return On Investment for Virtual Design and Construction</p>
<p data-bbox="225 1541 778 1682">Dr Mike Williams Senior Vice President and Chief Information Officer PB Americas, Inc (USA)</p>	<p data-bbox="804 1541 1356 1641">Application of Virtual Design and Construction Technologies on Infrastructure Projects</p>
<p data-bbox="225 1727 778 1935">Dr Hojjat Adeli Abba G. Lichtenstein Professor of Civil Engineering Civil & Environmental Engineering & Geodetic Science The Ohio State University (USA)</p>	<p data-bbox="804 1727 1356 1899">Innovative Information and Computing Technologies for Advancing the Construction Industry: From Construction Scheduling and Cost Optimization to Smart Structures of the Future</p>

  <p data-bbox="528 297 687 342">Santiago de Chile 15 – 17 July 2008</p>	<p data-bbox="791 125 1337 315" style="text-align: center;">CIB-W78 25th International Conference on Information Technology in Construction</p>
<p data-bbox="301 387 1292 416" style="text-align: center;">Improving the management of Construction Projects through IT adoption</p>	



On July 17th the annual CIB W78 committee meeting was held straight after the last session of the conference with an open invite to all attendees to participate. The first order of business was a vote of thanks to Leonardo Rischmoller for his major efforts in organising the three days of this conference with great success. The first day started with very strong input from industry linking with the three top keynotes. The 42 papers that were selected for the conference continues the very strong reputation of CIB W78 in covering the full spectrum of Construction IT topics.

As always the discussion on future conference dates and venues drew significant interest. For 2009 the meeting agreed that ITU in Istanbul should remain as the group's choice though with much discussion as to which part of Turkey might host the conference. Holding the conference concurrently with MC4T was felt to be a useful synergy with our members interests. For 2010 there was discussion around what could be contributed by W78 to the triennial in Salford. Of concern to the group was that holding a W78 conference in Europe in 2010 would break our agreement with the EC-PPM conference series not remain outside of Europe in even years when they run their conference. To this extent the meeting agreed to support a Construction IT track at the triennial, but to hold the full W78 conference outside of Europe. The proposal by Walid Thabet to host the conference in Egypt in 2010 was accepted by the meeting. Options for 2011 to be further explored are offers to host in Madrid, Dublin (though the meeting noted that EC-PPM would be in Dublin in 2010), or Switzerland.

The offer by Taylor and Francis for W78 to produce a book drawing on the expertise of W78 as a showcase for its 25th anniversary was met with great interest. It was agreed that a call for book chapters should be put out to attendees and W78 members.

The W78 work programme was reviewed with the meeting noting significant progress in the areas of electronic publishing, virtual reality, education, and recently the CIB focus on integrated design solutions. The meeting suggested a presentation should be sought on the newly proposed work item on spatial-structural interaction.


The meeting concluded by addressing a number of minor topics included presenting awards for the top student paper and top student presentation. The meeting also recommended offering a discount for students (but still ensuring their fees were fully inclusive). The meeting also affirmed the current approach of ensuring that all papers gain full reviews.

  <p data-bbox="528 297 687 342">Santiago de Chile 15 – 17 July 2008</p>	<p data-bbox="791 125 1337 315">CIB-W78 25th International Conference on Information Technology in Construction</p>
<p data-bbox="301 387 1292 421">Improving the management of Construction Projects through IT adoption</p>	

Appendix A contains the list of conference attendees.

Appendix B contains the table of contents of the conference proceedings

Appendix C contains the conference program



W78 - 2008
15 -17 July 2008
Santiago - Chile

Santiago de Chile
15 – 17 July 2008

CIB-W78

25th International Conference on Information Technology in Construction

Improving the management of Construction Projects through IT adoption

APPENDIX A




CIB-W78


25th International Conference on Information Technology in
Construction

Improving the management of Construction Projects through IT adoption

LIST OF PARTICIPANTS

	First Name	Last Name	Institution	Country	email
1	Raymond	Issa	University of Florida	United States	raymond-issa@ufl.edu
2	Diodoro	Zuppa	University of Florida	United States	dzuppa@dcp.ufl.edu
3	Patrik	Suermann	University of Florida	United States	suermann@ufl.edu
4	Håkan	Norberg	Luleå University of Technology	Sweden	hakan.norberg@tu.se
5	Alan	Hore	Construction IT Alliance	Ireland	ahore@cita.ie
6	Gustav	Jansson	Luleå University of Technology	Sweden	gustav.jansson@tu.se
7	Vladimir	Bazjanac	Lawrence Berkeley National Lab Univ. of California	United States	vlado@qundog.lbl.gov
8	Yaqub	Rafi	University of Plymouth	United Kingdom	mrfaqi@plymouth.ac.uk
9	Robert	Klinc	University of Ljubljana	Slovenia	rklin@itc.fgg.uni-lj.si
10	Sergio	Scheer	Federal University of Paraná - UFPR	Brazil	scheer@ufpr.br
11	Heesung	Cha	Ajou University	South Korea	hscha@ajou.ac.kr
12	Eduardo	Santos	University of São Paulo	Brazil	etoledo@pol.usp.br
13	Henrik CJ	Linderöth	Umeå School of Business	Sweden	henrik.linderöth@usbe.umu.se
14	Per	Christiansson	Civil Engineering, Aalborg University	Denmark	po@civil.aau.dk
15	Kristian Birch	Sørensen	Civil Engineering, Aalborg University	Denmark	ksb@ramboll.dk
16	Patrik	Jensen	Div. of Structural Engineering-Timber Structures	Sweden	patrik.jensen@tyrens.se
17	Sylvain	Kubicki	Public Research Centre Henri Tudor	Luxembourg	sylvain.kubicki@tudor.lu
18	Annie	Guerriero	Centre de Recherche en Architecture et Ingénierie	France	annie.guerriero@tudor.lu
19	Fabio	Schramm	Federal University of Rio Grande do Sul	Brazil	fabio@ufpel.edu.br
20	Kirsten	Davis	Boise State University	United States	kirstendavis@boisestate.edu
21	Tarek	Elghamrawy	University of Illinois- Urbana Champaign (CM, CE)	United States	telgham2@uiuc.edu
22	Sergio	Ferreira	Universidade de São Paulo	Brazil	sergio.ferreira@pol.usp.br
23	Larry	O'Connell	Trinity College Dublin	Ireland	Larry21@hotmail.com
24	Saeid Reza	Shiftehfar	University of Illinois- Urbana-Champaign	United States	sshifte2@uiuc.edu
25	Kjeld	Svidt	Aalborg University	Denmark	ks@civil.aau.dk
26	Walid	Thabet	Virginia Tech	United States	thabet@vt.edu
27	Nashwan	Dawood	University of Teesside	United Kingdom	n.n.dawood@tees.ac.uk
28	Robert	Amor	University of Auckland	New Zealand	trebor@cs.auckland.ac.nz
29	E. William	East	Construction Engineering Research	United States	bill.east@us.army.mil
30	Qi	Hao	National Research Council	Canada	qi.hao@nrc.gc.ca
31	Ivan	Mutis	USM	United States	ivan.mutis@usm.edu
32	Sherif	Knawy	University of Toronto	Canada	sherif.knawy@utoronto.ca
33	Rüdiger	Schütz	Graz University of Technology	Austria	ruediger.schuetz@tu-graz.at
34	Xiao-Hua	Jin	The University of Melbourne	Australia	jin@unimelb.edu.au
35	Kathryn	Davies	Unitec New Zealand	New Zealand	kdavies@unitec.ac.nz
36	Raimar	Scherer	Technische Universität Dresden	Germany	r.scherer@gmx.de
37	Guillermo	Aranda-Mena	RMIT University	Australia	guillermo.aranda-mena@mit.edu
38	Manfred	Breit	University of Applied Sciences Northwestern Switzerland	Switzerland	manfred.breit@fhnw.ch
39	Fritz	Häubi	University of Applied Sciences Northwestern Switzerland	Switzerland	HUF1@bfh.ch
40	Andrej	Tibaut	University of Maribor	Slovenia	andrei.tibaut@uni-mb.si
41	Robin	Drogemüller	Queensland University of Technology	Australia	robin.drogemuller@qut.edu.au
42	Hans Rudolf	Strebel	Gaehler und Partner AG	Switzerland	hr.strebel@gpag.ch

 <p>W78 - 2008 15 -17 July 2008 Santiago - Chile</p> <p>Santiago de Chile 15 – 17 July 2008</p>	<p>CIB-W78 25th International Conference on Information Technology in Construction</p>
<p>Improving the management of Construction Projects through IT adoption</p>	

 <p data-bbox="528 297 687 342">Santiago de Chile 15 – 17 July 2008</p>	<p data-bbox="791 125 1337 315" style="text-align: center;">CIB-W78 25th International Conference on Information Technology in Construction</p>
<p data-bbox="301 387 1292 416" style="text-align: center;">Improving the management of Construction Projects through IT adoption</p>	

APPENDIX B

INDEX

KEYNOTE PRESENTATIONS


Martin Fischer	15
THE RETURN-ON-INVESTMENT OF VIRTUAL DESIGN AND CONSTRUCTION: EXAMPLES SHOWING TACTICAL AND STRATEGIC CONSIDERATIONS	
Dr. Martin Fischer	16
James Michael (Mike) Williams	20
APPLICATION OF VIRTUAL DESIGN AND CONSTRUCTION TECHNOLOGIES ON INFRASTRUCTURE PROJECTS	
Dr. Mike Williams	21
Hojjat Adeli	22
INNOVATIVE COMPUTING AND INFORMATION TECHNOLOGIES FOR ADVANCING THE CONSTRUCTION INDUSTRY: FROM CONSTRUCTION SCHEDULING AND COST OPTIMIZATION TO SMART STRUCTURES OF THE FUTURE	
Hojjat Adeli	23

I- BUILDING INFORMATION MODELING

CASE STUDIES: EVALUATING BUILDING INFORMATION MODELING IMPACT ON UNITED STATES ARMY CORPS OF ENGINEERS CONSTRUCTION	
Patrick C. Suermann, Raja R.A. Issa	31
CAD-BIM REQUERIMENTS FOR MASONRY DESIGN PROCESS OF CONCRETE BLOCKS	
Scheer, Sérgio; Ayres Filho, Cervantes; Azuma, Fabíola ;Beber, Michelle	40
A BETTER BIM: IDEAS FROM OTHER INDUSTRIES	
Robert Amor	48
A CONTEXT-ADAPTIVE BUILDING INFORMATION MODEL FOR REAL-TIME STRUCTURAL ANALYSIS IN A DISASTER MANAGEMENT SYSTEM	
Rüdiger SCHÜTZ, Thomas Bernoulli, Thomas Wießflecker1, Ulrich Walder	54
BUILDING INFORMATION MODELLING DEMYSTIFIED: DOES IT MAKE BUSINESS SENSE TO ADOPT BIM?	
Guillermo Aranda-Mena, John Crawford, Agustin Chevez, Thomas Froese	63
TOWARDS METHODOLOGY FOR HARMONIZATION OF SEMANTICALLY DIFFERENT BIM's	
Andrej Tibaut, Danijel Rebolj	77

II- PRODUCT AND PROCESS MODELING

A PROCESS MODEL FOR CONSTRUCTION SYNCHRONISATION USING TIME-SPACE PLANNING METHODS AND FIELD FORCE AUTOMATION	
Håkan Norberg and Thomas Olofsson	91
DEVELOPMENT OF 5D-CAD BASED WORK PROCESS MODEL FOR AGED-HOUSING REVAMP PROJECTS	
Hee-Sung Cha, Kyungrai Kim, Dong-Woo Shin	103

 <p data-bbox="464 136 750 271">Santiago de Chile 15 – 17 July 2008</p>	<p data-bbox="791 125 1340 315" style="text-align: center;">CIB-W78 25th International Conference on Information Technology in Construction</p>
<p data-bbox="301 389 1292 423" style="text-align: center;">Improving the management of Construction Projects through IT adoption</p>	

MODELLING MULTI-CRITERIA DECISION ANALYSIS FOR BENCHMARKING MANAGEMENT PRACTICES IN PROJECT MANAGEMENT

Hemanta DOLOI, Xiao-Hua JIN 114

GPOP: REPRESENTATION OF SUSTAINABILITY CONSIDERATIONS ON BUILDING PROJECTS

Mauricio Toledo, Martin Fischer, Jerry Yang and Akiko Yamazaki 122

GENERIC PROCESS TEMPLATE DESCRIPTION FOR THE EFFECT OF RISKS ON PROJECT SCHEDULE

Raimar J.Scherer, Wael Sharmak 134

III- COLLABORATIVE ENGINEERING AND DESIGN

ALIGNING INTERESTS KEY TO DEVELOPING TRUST IN DEPLOYING COLLABORATIVE TECHNOLOGIES IN CONSTRUCTION

D. Zuppa, Raja R.A. Issa 145

INTERACTIVE VISUALISATION AS A POWERFUL DECISION SUPPORT TOOL FOR CONCEPTUAL DESIGN

Yaqub Rafiq, Martin Beck, and Neill Hughes 156

BUILDING DESIGN COORDINATION: COMPARING 2D AND 3D METHODS

Eduardo Toledo SANTOS, Ph.D, Rita Cristina FERREIRA, M.Sc. 166

FUTURE INTEGRATED DESIGN ENVIRONMENTS

Per Christiansson, Kjeld Svidt, Kristian Birch Sørensen 176

COOPERATIVE DIGITAL STUDIO IT-SUPPORTED COOPERATION FOR AEC STUDENTS

Sylvain Kubicki, Jean-Claude Bignon, Pierre Leclercq 189

IV- IT ADOPTION / IMPLEMENTATION

UNDERSTANDING ADOPTION AND USE OF ICT IN CONSTRUCTION PROJECTS THROUGH THE LENS OF CONTEXT, ACTORS AND TECHNOLOGY

Henrik CJ Linderoth, Mattias Jacobsson 203

ASSESSING INDIVIDUALS' RESISTANCE PRIOR TO IT IMPLEMENTATION IN THE AEC INDUSTRY

Kirsten A. Davis 213

COST DATABASE SYSTEM APPLIED TO REFURBISHMENT OF SOCIAL HOUSING IN BRAZILIAN CONTEXT

Sérgio Leal Ferreira, Guilherme Kazuhisa Tanabe 224

REQUIREMENTS ON 3D BUILDING INFORMATION MODELS AND ELECTRONIC COMMUNICATION – EXPERIENCES FROM AN ARCHITECTURAL COMPETITION

Kjeld Svidt, Per Christiansson, Aalborg University 231

BARRIERS OR CONSTRAINTS?

A REVIEW OF DEVELOPMENT ISSUES AS THEY APPLY TO CONSTRUCTION IT

Kathryn Davies 239

V- VISUALIZATION AND VIRTUAL REALITY (VR)


AN EVALUATION SCHEME FOR TWO SAFETY TRAINING APPLICATIONS

Jason Lucas, Poonam Worlikar, Walid Thabet 249

SCIENTIFIC VISUALIZATION AND VIRTUAL REALITY TECHNIQUES INTEGRATED TO CAD/CAE SYSTEMS FOR ILLUMINATION DESIGN

Tiago Martinuzzi Buriol, Sergio Scheer, Eduardo K. Saldanha 260

USING VIRTUAL PROTOTYPING TECHNIQUES FOR IMPLEMENTATION OF A VIRTUAL CONSTRUCTION ENVIRONMENT (VCE)

 <p>W78 - 2008 15-17 July 2008 Santiago - Chile</p> <p>Santiago de Chile 15 – 17 July 2008</p>	<p align="center">CIB-W78 25th International Conference on Information Technology in Construction</p>
Improving the management of Construction Projects through IT adoption	

Jason Lucas, Walid Thabet, Dean Bowman 271

ENHANCEMENT OF VIRTUAL DESIGN AND CONSTRUCTION METHODS

Manfred Breit, Manfred Vogel, Fritz Häubi, Fabian Märki,
Marco Soldati, László István Etesi, Nicky Hochmuth, Andreas Walther 280

IFC BIM-BASED METHODOLOGY FOR SEMI-AUTOMATED BUILDING ENERGY PERFORMANCE SIMULATION

Vladimir Bazjanac 292

A PROPOSAL FOR REUSING SIMULATION MODELS IN THE DESIGN OF PRODUCTION SYSTEMS IN CONSTRUCTION

Fabio K. Schramm, Guilherme L. Silveira, Carlos T. Formoso 300

ENTERPRISE SIMULATION OF THE PRECAST CONCRETE MANUFACTURING INDUSTRY

Ammar Al-Bazi 310

VI- e-BUSINESS, e-GOVERNMENT AND e-CONSTRUCTION

CITAX: A COLLABORATIVE ICT STANDARDS MODEL FOR THE IRISH CONSTRUCTION INDUSTRY

A.V. Hore 323

POSSIBLE BENEFITS OF WEB 2.0 TO CONSTRUCTION INDUSTRY

Robert Kline, Matevž Dolenc, Žiga Turk 335

ELECTRONIC TENDERING: DELIVERING BUSINESS EFFICIENCIES FOR THE IRISH CONSTRUCTION INDUSTRY

R.P. West, A.V. Hore, L O'Connell 344

IMPACT OF E-GOVERNMENT ON FEDERAL FACILITY DELIVERY

E. William East 351

EFFECTIVE SEMANTIC WEB-BASED SOLUTIONS FOR CIVIL ENGINEERING

Tamer E. El-Diraby, Sherif Kinawy 357

VII- CONSTRUCTION MANAGEMENT

INTEGRATING TRUST CONCEPTS IN A DASHBOARD INTENDED FOR THE BUILDING CONSTRUCTION COORDINATOR

Annie Guerriero, Gilles Halin, Sylvain Kubicki 365

A VISION FOR A FRAMEWORK TO SUPPORT MANAGEMENT OF AND LEARNING FROM CONSTRUCTION PROBLEMS

Tarek Elghamrawy, Frank Boukamp 377

CHANGE MANAGEMENT IN CONSTRUCTION PROJECTS

Qi Hao, Weiming Shen, Joseph Neelamkavil, Russ Thomas 387



IMPROVING COMMUNICATION OF SCHEDULING INFORMATION OF EARTHWORK CONSTRUCTION PROCESS USING 4D VISUALISATION MODEL IN ROAD PROJECTS

R. K. Shah, N. Dawood 397

VIII- OTHER THEMES

CONCURRENT ENGINEERING IN EDUCATIONAL PROJECTS: CASE STUDY SVARTÖBERGET

Gustav Jansson, Helena Johnsson 409

  <p data-bbox="528 297 687 342">Santiago de Chile 15 – 17 July 2008</p>	<p data-bbox="791 125 1337 315">CIB-W78 25th International Conference on Information Technology in Construction</p>
<p data-bbox="301 387 1292 416">Improving the management of Construction Projects through IT adoption</p>	

**TOWARDS LINKING VIRTUAL MODELS WITH PHYSICAL OBJECTS IN CONSTRUCTION USING RFID -
REVIEW OF ONTOLOGIES**

Kristian Birch Sørensen, Per Christiansson, Kjeld Svidt, Kim Jacobsen, Thomas Simoni

418

**REDUCING COMPLEXITY OF CUSTOMIZED PREFABRICATED BUILDINGS THROUGH MODULARIZATION
AND IT SUPPORT**

Patrik Jensen, Thomas Olofsson, Marcus Sandberg, Linus Malmgren

429


**RELATIONSHIPS BETWEEN ON-SITE RFID TAGS –
OPPORTUNITIES, BENEFITS AND CHALLENGES**

Reza Shiftehfar and Frank Boukamp


438

THE INTEROPERABILITY ACT FOR EMCOMPASING SEMANTICS IN CONSTRUCTION DOCUMENTS

Ivan Mutis, Raja R.A. Issa

 <p>W78 - 2008 15 -17 July 2008 Santiago - Chile</p> <p>Santiago de Chile 15 – 17 July 2008</p>	<h1 style="text-align: center;">CIB-W78</h1> <h2 style="text-align: center;">25th International Conference on Information Technology in Construction</h2>
<p style="text-align: center;">Improving the management of Construction Projects through IT adoption</p>	

APPENDIX C

<div>  <div> CIB - W78 25th International Conference on Information Technology in Construction Improving the management of Construction Projects through IT adoption </div> </div> <div>CONFERENCE PROGRAM</div>					
DAY 01		DAY 02		DAY 03	
TUESDAY 15 th		WEDNESDAY 16 th		THURSDAY 17 th	
	Room G-ABC		Room D		Room D
0800 - 0900	Registration				
0900 - 0930	Welcome & Opening: Leonardo Rischmoller, Universidad de Talca Manuel Navarro, CDT Juan Antonio Rock, Universidad de Talca				
0930 - 1015	Dr. Martin Fischer THE RETURN-ON-INVESTMENT OF VIRTUAL DESIGN AND CONSTRUCTION-EXAMPLES SHOWING TACTICAL AND STRATEGIC CONSIDERATIONS	0900 - 1045	Session II: PRODUCT AND PROCESS MODELING BILL EAST		
1015 - 1100	Dr. Mike Williams APPLICATION OF VIRTUAL DESIGN AND CONSTRUCTION TECHNOLOGIES ON INFRASTRUCTURE PROJECTS			0900 - 1020	Session Va: VISUALIZATION AND VIRTUAL REALITY (VR) NASHWAN DAWOOD
1100 - 1120	Coffee break			1020 - 1040	Coffee break
1130 - 1215	Dr. Hojat Adeli INNOVATIVE COMPUTING AND INFORMATION TECHNOLOGIES FOR ADVANCING THE CONSTRUCTION INDUSTRY: FROM CONSTRUCTION SCHEDULING AND COST OPTIMIZATION TO SMART STRUCTURES OF THE FUTURE	1045 - 1110	Coffee break		
1215 - 1300	Questions & Answers to Keynote Speakers	1110 - 1250	Session IV: IT ADOPTION / IMPLEMENTATION GULLERMO ARANDA	1040 - 1140	Session Vb: VISUALIZATION AND VIRTUAL REALITY (VR) PER CHRISTIANSSON
		1300 - 1430	Lunch	1140 - 1240	C B W78 Meeting
1330 - 1500	Lunch			1245 - 1415	Lunch
1515 - 1715	Session I: BM (BUILDING INFORMATION MODELING) ROBERT AMOR	1445 - 1630	Session VI: CONSTRUCTION MANAGEMENT RAYMOND ISSA	1530	Departure to Concha y Toro Vineyard
				1640 - 1800	VISIT TO CONCHA Y TORO VINEYARD (wine tasting & buffet) http://www.conchaytoro.com/
1850	CONFERENCE DINNER	1850	CONFERENCE DINNER		CONFERENCE CLOSING

Monday 14th, 19:00: Welcome Cocktail, Santiago Marriott Hotel