

DETAILED CONGRESS SUMMARY PROGRAMME DÉTAILLÉ DU CONGRÈS

(SEE PG. 20 FOR DESCRIPTION OF CODES-ABBREVIATIONS / VOIR PG. 20 POUR UNE DESCRIPTION DES CODES-ABBREVIATIONS)
(ABSTRACTS START ON PAGE 50 / LES RÉSUMÉS COMMENCENT À LA PAGE 50)

Saturday, June 12, 2004 / Samedi, le 12 juin

08h00 - 17h30	JCSA Meeting / Réunion de JCSA
08h30 - 14h00	CAP Executive Meeting / Réunion de l'exécutif de l'ACP (SA-A2)
08h30 - 17h30	COMP Business Meetings / Réunions d'affaires de l'OCPM (SA-A1)
08h30 - 19h00	CASCA Board and Other Meetings / Réunion du Conseil de CASCA et autres réunions (SA-A3)
08h45 - 16h30	CASCA Student Workshop and Registration/ Atelier des étudiants et inscription CASCA (SA-A4)
12h00 - 13h30	COMP lunch / Déjeuner de l'OCPM
14h00 - 18h00	CAP Council Meeting (Old and New) / Réunion du conseil (ancien et nouveau) de l'ACP (SA-P1)

Victoria
Kildonan
Talbot/Westminster/Strathcona
Colbourne
Univ. of Manitoba Campus
Private Dining Room
Kildonan

Sunday, June 13, 2004 / Dimanche, le 13 juin

TIME HEURE	Victoria/Albert	Ballrooms B/C	Other Rooms/Autres salles
	SU-A1 (CAP-CASCA-COMPI/ACP-CASCA-OCPM) ENRICHING OUR TEACHING THROUGH INTEGRATION / ENRICHISSEMENT DE NOTRE ENSEIGNEMENT PAR L'IN- TÉGRATION Chair: J. Percy, U.Toronto		08h00-12h30 Campaign B COMP Business Meeting Réunion d'affaires de l'OCPM (SU-A2)
08h00	V. Milosevic-Zdjelar (c) U.Winnipeg Astronomy, Biology, Chemistry, Geology and Physics integrated in a newly developed course "Science: World Views" (SU-A1-1)		08h30-12h30 Paragon Rest./Colbourne (CAP-ACP) Physics Department Heads/Chairs Workshop / Réunion des directeurs de départe- ments de physique (SU-CHAIRS)
08h15	C.R. Kerton (c) Iowa State U. Integrating a Lab Experience with an Astro 101 Class (SU-A1-2)		
08h30	W.E. Harris (c) McMaster U. The Big Questions: Integrating Science at the Undergraduate Level (SU-A1-3)		
08h45	J. West (c) U.Manitoba Crossing the Disciplines: Using Medical Imaging Software for Teaching Astronomy (SU-A1-4)		
09h00	RICKEY, Daniel W. CancerCare Manitoba Medical Physics at the Undergraduate and High School Levels (SU-A1-5)	SU-A4 (DCMMP/DPMCM) SINGLE MOLECULE POLYMER PHYSICS: FUNDAMEN- TAL QUESTIONS / PHYSIQUE DES POLYMÈRES MONOMOLÉCULAIRES : QUESTIONS FONDAMENTALES Chair: J. Bechhoefer, SFU	09h00-12h00 Campaign A IPP Board of Trustees Meeting Réunion du conseil d'administration de l'IPP (SU-A3)
09h30	MANOGUE, Corinne A. Oregon State U. Revitalizing the Upper-Division Physics Curriculum (SU-A1-6)	SEVICK, EDIT M. Australian National U. The Fluctuation Theorem as a Generalised Second- Law for Nanomachines and Single Biopolymer Manipulations: Optical Tweezers Experiments and Beyond (SU-A4-1)	
10h00	Coffee Break / Pause café	↓	
10h15	↓	FORDE, Nancy UC Berkeley Using Optical Tweezers to Study Single-Molecule Reactions in Real Time (SU-A4-2)	
10h30	MATTHEWS, Jaymie UBC Distance Learning from 820 km Straight Up: The Educational Potential of the MOST Space Telescope (SU-A1-7)	↓	
11h00	STINNER, Art / LOLY, Peter U.Manitoba Using the History of Science to Present the Evolution of Major Concepts in Physics (SU-A1-8)	HA, Bae-Yeun U.Waterloo Statics and Dynamics of Biopolymers: Theory and Biological Relevance (SU-A4-3)	
11h30	↓	↓	
11h45	↓	KREUZER, Hans Juergen Dalhousie U. Stretching and Confinement of Single Polymer Molecules and the Growth of a Polymer Brush: A First Principles Theory (SU-A4-4)	
12h15	Morning Session ends / Fin de la session du matin Lunch / déjeuner	Morning Session ends / Fin de la session du matin Lunch / déjeuner	

Sunday, June 13, 2003 / Dimanche, le 13 juin (cont'd / suite)

Victoria/Albert	Ballrooms B/C	Campaign A	Campaign B	TIME HEURE
			SU-P2 (COMP/OCPM) BRACHYTHERAPY AND THERMAL THERAPY / CURIOTHÉRAPIE ET THÉRAPIE THERMIQUE Chair: J. Bews, CancerCare Manitoba	
	SU-P1 Plenary Session plénière (CAP Brockhouse Medal winner / Récipiendaire de la médaille Brockhouse de l'ACP) Chair: J. Bechhoefer, SFU MICHAEL THEWALT SFU <i>Redefining the Limits of Semiconductor Spectroscopy (SU-P1-1)</i>		N. Blais (c) Hôpital Maisonneuve-Rosemont <i>Space Distribution Analysis of the Attenuation in Lead and Steel of the Scattered Radiation in a Maze of a High Dose Rate (Iridium 192) Brachytherapy Suite (SU-P2-1)</i>	13h30
			M. Al-Ghazi (c) U.California, Irvine <i>Yttrium-90 Microspheres for the Treatment of Hepatocellular Carcinoma (SU-P2-2)</i>	13h45
			M. Shim (c) Juravinski Cancer Care <i>Cs-137 Dosimetry Using GAFchromic® Film (SU-P2-3)</i>	14h00
SU-P3 (CAP-CASCA-COMP/ACP-CASCA-OCPM) ENRICHING OUR TEACHING THROUGH INTEGRATION / ENRICHISSEMENT DE NOTRE ENSEIGNEMENT PAR L'INTÉGRATION Chair: R. Hawkes, Mount Allison U. H. Scott (c) Ridley College <i>Bringing the Stars to the Students (SU-P3-1)</i>	SU-P4 (DCMMP/DPMCM) SINGLE-MOLECULE POLYMER PHYSICS: BIOPHYSICAL APPLICATIONS / PHYSIQUE DES POLYMÈRES MONOMOLÉCULAIRES : APPLICATIONS EN BIOPHYSIQUE Chair: J. Bechhoefer, SFU MARKO, John U.Illinois at Chicago <i>Micromanipulation Study of Chromatin Fibers and Whole Chromosomes (SU-P4-1)</i>		G. Leclerc (c) CHUQ <i>Dynamical Post-Implant Dose Calculation for Permanent Prostate Implants: Taking Edema into Consideration (SU-P2-4)</i>	14h15
CHRISTIAN, Carol Space Tel.Sci.In. <i>Putting Research Science and Education Together: Lessons Learned from HST (SU-P3-2)</i>	↓	SU-P5 IPP General Meeting / Assemblée générale (IPP) (ends at 17h30/ se termine à 17h30)	L. Chin (c) Princess Margaret Hospital <i>Interstitial Optical-Based Reconstruction of Thermal Coagulation During Microwave Thermal Therapy (SU-P2-5)</i>	14h30
↓	↓		S. Lochhead (c) Sunnybrook/UToronto <i>A Gel Phantom for MR Calibration of Thermal Therapies (SU-P2-6)</i>	14h45
Coffee Break / Pause café	Coffee Break / Pause café		Coffee Break / Pause café	15h00
PERCY, John R. U.Toronto <i>Variable Stars: Dynamic Tools for Hands-On Astronomy and Physics Education (SU-P3-3)</i>	↓		SU-P6 (COMP/OCPM) RADIATION TREATMENT DEVICES / APPAREILS DE RADIOTHÉRAPIE Chair: P. Dunscombe, TomBaker CancerCen. H. Johnson (c) CancerCare Manitoba <i>Licensing, Construction and Radiation Safety of Canada's First Gamma Knife® (SU-P6-1)</i>	15h30
↓	↓		A. Berndt (c) CancerCare Manitoba <i>Gamma Knife® Commission Report (SU-P6-2)</i>	15h45
M.L. Milne (c) Centre of Universe <i>Reaching out from the Centre of the Universe: A Report from Canada's Astronomy Interpretation Centre (SU-P3-4)</i>	↓		J.W. Beck (c) CancerCare Manitoba <i>An Algorithm for Independent Verification of Gamma Knife® Treatment Plans (SU-P6-3)</i>	16h00
Session ends / Fin de la session	MARZIALI, Andre UBC <i>A Single-Molecule Nanosensor for Oligonucleotide Identification (SU-P4-3)</i>		M. MacKenzie (c). Cross Cancer Inst. <i>Initial Experiences with a Commercial Helical Tomotherapy Unit (SU-P6-4)</i>	16h15
	↓		A. Gladwish (c) London Health Sciences <i>Helical Tomotherapy Fan Beams and Craniocaudal Penumbra Improvement (SU-P6-5)</i>	16h30
	↓		J. Schella (c) NS Cancer Centre <i>Using Isocentre Corrections in Treatment Planning to Improve Accuracy in Stereotactic Radiosurgery (SU-P6-6)</i>	16h45
	Session ends / Fin de la session		Session ends / Fin de la session SU-P7 CCPM AGM / Assemblée générale (CCPM) (ends at 18h30/se termine à 18h30)	17h00

**CAP Herzberg Memorial Public Lecture / Conférence publique commémorative Herzberg de l'ACP
CASCA Public Lecture in Astronomy / Conférence publique plénière en astronomie de CASCA**

[SU-KEY]

P. James E. Peebles, Princeton University

19h00

Followed by the Opening Reception / suivi par la réception d'accueil

Ballroom A/B/C (see pg. 17 for details / voir pg. 17 pour les détails)