

**Constraint Programming, Belief Revision, and Combinatorial Optimization
May 24 – 29, 2003
Workshop Schedule**

SATURDAY, MAY 24

5:30-7:30 pm Dinner, Donald Cameron Hall, Main Dining Room

****P LEASE CHECKIN WITH THE HOST /HOSTESS AND SIGN THE BIRS SHEET FOR EACH LUNCH AND EACH DINNER.**

SUNDAY, MAY 25

7:00—9:00 AM BREAKFAST, 2ND FLOOR LOUNGE, CORBETT HALL

**Introductory Session: Overview of workshop goals
and Confirmation of Schedule**

Chair: RandyGoebel

**9:00 – 9:30 Goals of the workshop: combining constraints, beliefs,
AND OPTIMIZATION**

9:30-10:00 PARTICIPANT DISCUSSION OF DRAFT SCHEDULE

10:00-10:30 COFFEE (2ND FLOOR LOUNGE, CORBETT HALL)

10:30-12:00 BREAK OUT SESSIONS (IN EACH OF THREE AREAS)

**(THE IDEA IS TO SELF-IDENTIFY THREE GROUPS WITH INTERESTS IN THE THREE AREAS,
AND SPEND THE TIME ORGANIZING A PANEL SESSION THAT WILL PRESENT “ESSENTIAL
CONCEPTS” IN EACH AREA)**

**12:00-1:30 LUNCH (BUFFET STYLE IN THE MAIN DINING ROOM OF THE BANFF CENTRE
SERVED 11:30-1:30)**

AFTERNOON SESSION: INTRODUCTORY CONCEPTS FOR CP, BR, AND CO

CHAIRS: TOBY WALSH, MAURICE PAGNUCCO, TOM MCCORMICK

**2:00-3:00 PANEL: ESSENTIAL CONCEPTS OF CONSTRAINT PROGRAMMING (TOBY
WALSH)**

3:00-3:30 COFFEE (2ND FLOOR LOUNGE, CORBETT HALL)

**3:30-4:30 PANEL: ESSENTIAL CONCEPTS OF BELIEF REVISION (MAURICE PAGNUCCO,
KEN SATOH)**

3:30-4:30 PANEL: ESSENTIAL CONCEPTS OF COMBINATORIAL OPTIMIZATION (TOM

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McCORMICK)

5:30–7:30 DINNER, DONALD CAMERON HALL, MAIN DINING ROOM

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Monday, May 26

7:00– 9:00 am Breakfast, 2nd floor lounge, Corbett Hall

Morning Session: Breakout Sessions

9:00-10:00 BR, CO, CP break out sessions

(The idea is for each group to allocate their 3 hours of session time to individual speakers and discussion)

10:00-10:30 coffee (2nd floor Lounge, Corbett Hall)

Morning Session: CO Session 1

Chair: Tom McCormick

10:30-12:00 CO Presentations

John Hooker, Parallels between CO and CP

Bill Pulleyblank, Separation, the Travelling Salesman and Vehicle Routing Problems

12:00-1:00 Lunch, Main Dining Room, Donald Cameron Hall

1:00-2:00 Guided tour of The Banff Centre facilities. Please meet in the 2nd floor lounge of Corbett Hall.

AFTERNOON SESSION A: BR SESSION 1

CHAIR: ADITYA GHOSE

2:00-3:30 BR PRESENTATIONS

MAURICE PAGNUCCO, PREFERENCE AND CAUSALITY

JIM DELGRANDE, COMPUTATIONAL APPROACHES TO BELIEF REVISION

THOMAS MEYER, BELIEF MERGING

KEN SATOH, COMPUTING SOFT CONSTRAINTS BY MINIMAL HITTING COMPUTATION

3:30-4:00 COFFEE (2ND FLOOR LOUNGE, CORBETT HALL)

AFTERNOON SESSION B: CP SESSION 1

CHAIR: TOBY WALSH

4:00-5:30 CP PRESENTATIONS

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MAARTEN VAN EMDEN, LOGIC BASED MODELLING FOR OPTIMIZATION PROBLEMS

DONOVAN HARE, OPL 101

KOICHI FURUKAWA, PERFORMANCE SKILL SCIENCE BASED ON CONSTRAINTS

5:30–7:30 PM DINNER, DONALD CAMERON HALL, MAIN DINING ROOM

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Tuesday, May 27

7:00– 9:00 am Breakfast, 2nd floor lounge, Corbett Hall

Morning Session: CO Session 2

Chair: Bill Pulleyblank

9:00-10:30 CO Presentations

Donovan Hare, Finding Cliques with Constraint Programming

Joe Culberson, Phase Transitions in Graph Colouring

Charlie Colbourn, Covering Applications in Software Testing

Bruce Shepard, Interdomain Routing, Combinatorial Algorithms for Routing
OPTIMIZATION

10:30-11:00 COFFEE (2ND FLOOR LOUNGE, CORBETT HALL)

MORNING SESSION B: CP SESSION 2

CHAIR: TOBY WALSH

11:00-12:00 CP PRESENTATIONS

ALAN MACKWORTH, CONSTRAINT-BASED AGENTS

BILL HAVENS, APPLY CONSTRAINT PROGRAMMING TO INDUSTRIAL PROBLEMS

12:00-12:10 GROUP PHOTO, FRONT STEPS OF CORBETT HALL

12:00-1:30 LUNCH, MAIN DINING ROOM, DONALD CAMERON HALL

FREE AFTERNOON

5:30–7:30 PM DINNER, DONALD CAMERON HALL, MAIN DINING ROOM

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WEDNESDAY, MAY 28

7:00—9:00 AM BREAKFAST, 2ND FLOOR LOUNGE, CORBETT HALL

MORNING SESSION A: BR 2

CHAIRS: ADITYA GHOSE

9:00-10:30 BR Presentations

Torsten Schaub, Answer Set Programming in a Nutshell

Gerd Brewka, Answer Set Optimisation

Aditya Ghose, Belief Revision Flavoured Semi-Ring Constraint Satisfaction
PROBLEMS

10:30-11:00 COFFEE (2ND FLOOR LOUNGE, CORBETT HALL)

MORNING SESSION B: CP 3

CHAIRS: TOBY WALSH

11:00-12:00 CP Presentations

Michael Maher, Constraint Programming and Global Constraints

Toby Walsh, Preferences and Soft Constraints

12:00-1:30 Lunch, Main Dining Room, Donald Cameron Hall

AFTERNOON SESSION A: SUMMARIES

CHAIRS: ADITYA GHOSE, RYAN HAYWARD, ALAN MACKWORTH

2:00-2:30 BR

2:30-3:00 CO

3:00-3:30 CP

3:30-4:00 coffee (2nd floor Lounge, Corbett Hall)

AFTERNOON SESSION B: OVERALL WORKSHOP SUMMARY

CHAIR: RANDY GOEBEL

4:00-5:30 Summarizing Workshop Outcomes

5:30–7:30 pm Dinner, Donald Cameron Hall, Main Dining Room

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THURSDAY, MAY 29

7:00– 9:00 am Breakfast, 2nd floor lounge, Corbett Hall

9:00 Departure

11:30-1:30 Lunch, Main Dining Room, Donald Cameron Hall

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