

## 5th International Conference on Computational Heat and Mass Transfer Canmore, Alberta, Radisson Hotel & Conference Center Canmore, Canmore, Alberta, Canada, June 18-22, 2007.

**Canmore** is located literally just outside the south boundaries of Banff National Park - and is only a 15 minute drive from the town of Banff. Canmore is about 80 Km from Calgary.

### Conference History:

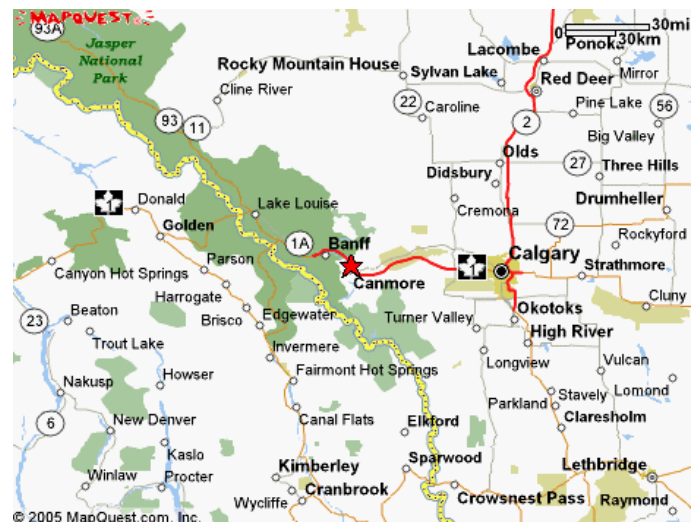
1999 – Cyprus ; 2001 – Rio De Janeiro; 2003  
- Banff ; 2005 - Paris ; 2007 – Canmore

### Objective:

Computational techniques and methods are evolutionary field from macroscopic-level to nano-level, using continuum and discrete mechanics. It is necessary for scientist and engineers to come together every two years in a relaxed environment to discuss new ideas and developments in the area of computational methods and applications. Also, it is good opportunity for new scientist and engineer to explore the art of computational methods.

### Contact information:

Chair  
Prof. A. A. Mohamad  
Dept. of Mechanical and Manuf. Engineering  
Schulich School of Engineering  
The University of Calgary  
Calgary, AB, T2N 1N4, Canada  
Email: [mohamad@ucalgary.ca](mailto:mohamad@ucalgary.ca)



Website: <http://www.schulich.ucalgary.ca/5ICCHMT07/>

## **Deadlines:**

Abstract submission ,  
Notification of acceptance of the abstract,  
Full paper submission,  
Notification of acceptance of the full paper, April

**December 30, 2006**  
January 30, 2007  
Feb-Mar, 2007  
6<sup>th</sup>, 2007

5<sup>th</sup> International Conference on Computational Heat and Mass Transfer  
Canmore, Alberta, Radisson Hotel & Conference Center Canmore,  
Canmore, Alberta, Canada, June 18-22, 2007.

## **International/National Scientific Committee**

Honorary chair,      Shyy W., *University of Michigan, Ann Arbor, USA*  
Chair                      Mohamad A. A., *University of Calgary, Canada*  
Co-Chair                Bennacer R., *University Cergy-Pointoise, France*

Alexander J. I. D., *Case Western Reserve  
University, USA*

Al-Nimr, M. A., *Univ. of Science Tech., Jordan*

Bayazitoglu, Y., *Rice University, USA*

Ben-Mansour, R., *King Fahd Univ. of Pet. And  
Minerals, Saudi Arabia*

Bontoux, P., *MSNM, Univ. d'Aix Marseille,  
France*

Brenner, G., *Inst. Applied Mechanics, Technical  
Univ. Clausthal, Germany*

Burmeister, L. C., *Kansas Univ., USA.*

Bussmann, M., *University of Toronto, Canada*

Celata, G. P., *ENEA Casaccia, Italy*

Chai, J. C., *School of Mech. & Aero. Eng.,  
Nanyang Tech. Univ. Singapore*

Chen, C. J., *Florida State Univ., USA*

Cheng, P. - *Univ. Science and Technology, Hong  
Kong*

Costa, V., *University of Aveiro, Portugal*

Cotta, R., *ME COPPE UFRJ, Brazil*

Cruchaga, M., *Universidad de Santiago de Chile,  
Chile*

De Lemos, M., *Instituto Tecnológico de  
Aeronautica, Brazil*

Dulikravich, G. S., *University of Texas at  
Arlington, USA*

El Ganaoui, M., *Univ. of Limoges, France*

Elkamel, A., *Dept. of Chemical Eng. Univ. of  
Waterloo, Canada*

Fue-Sang Lien, *University of Waterloo, Canada*

Germundsson, R., *Wolfram Research, USA*

Haik, Y., *United Arab Emirates Univ., Al Ain, UAE*

Hamed, M. S., *McMaster University, Canada*

Hassan, I., *Concordia University, Canada*

Hasnaoui, *Univ Caddy Ayad, Morocco*

Ingham, D. B., *University of Leeds, UK*

Jaw, S. J., *National Taiwan Ocean Univ., Taiwan,*

Kakac, S., *University of Miami, USA*

Karim, G., *University of Calgary, Canada*

Kim, S. J., *KAIST, Daejeon, Korea*

Lage, J. L., *SMU, Dallas-Texas, USA*

Li, D., *Mechanical Eng., Vanderbilt University, USA*

Maliska, C. R., *Univ. Federal de Santa Catarina, Brazil*

Merlen, A., *Université des Sciences et Technologies de  
Lille, France*

Mojtabi, K., *IMFT, Univ. Paul-Sabatier, Toulouse,  
France*

Moussa, W. A., *Dept. of Mech. Eng., Univ. of Alberta,  
Canada*

Nagayama, G., *Kyushu Inst. Of Tech., Fukuoka, Japan*

Nowak, A. J., *Inst. of Thermal Tech., Silesian Univ. of  
Tech, Poland*

Ormiston, S. J., *Univ. of Manitoba, Canada*

Oechsner, A., *University of Aveiro, Portugal*

Pop, I., *University of Cluj-Napoca, Romania*

Saeid, N., *Univ. of Nottingham Malaysia Campus,  
Malaysia*

Selcuk, N., *Middle East Technical University, Turkey*

Sunden, B., *Lund University, Sweden*

Succi, S., *Istituto Applicazioni Calcolo, Italy*

Suzuki, K., *Kyoto University, Japan*  
Vasseur, P., *Ecole polytechnique de Montréal,  
Canada*  
Yamamoto, K., *Nagoya University, Japan*

Yang, Wen-Jei, *University of Michigan, Ann Arbor, USA*  
Younis, L. B., *SNC.LAVALIN, Calgary, Canada*  
Weber, R., *Clausthal University of Technology, Germany*

Registration Fee:

Regular	Before April 1 <sup>st</sup> , 2007	\$ 380 (USD)
	After April 1 <sup>st</sup> , 2007	\$ 450 (USD)
Student	Before April 1 <sup>st</sup> , 2007	\$ 250 (USD)
	After April 1 <sup>st</sup> , 2007	\$ 300 (USD)

The fee includes Proceeding of the conference, coffee breaks and Banquet dinner.

Keynote Speakers

1. Succi, S., Lattice Kinetic Approach to Micro-Fluidics
2. Shyy, W., Computational simulations and design optimization for engineering thermofluid problems
3. Ingham, D., Inverse Problems in Heat Transfer
4. Yap, Y. F., et. Al., Numerical Digital Microfluidics
5. Chandra, S., Molten Particle Impact on a Solid Substrate in Thermal Spray Coating: Modeling and Experiments
6. Haik, Y., Nanomagnetism in Micro Bio-Diagnostics
7. R. Viskanta, Overview of Issues in Numerical Simulation of Unwanted Fires.

Mini-Symposium on Computational Combustion, Dr. L. Jiang  
Min-Symposium on Phase Change, Prof. S. Dost and M. El-Ganaoui

Place:

The conference meetings will be held in Radisson Hotel & Conference.

For accommodation please contact the hotel directly and mention that you are attending the 5<sup>th</sup> International Conference on Computational Heat and Mass Transfer to get the special rate.

The rate is \$ 144.00 (Canadian Dollars) per night.

Contact Info:

Radisson Hotel & Conference Center Canmore

511 Bow Valley Trail

Canmore, Alberta T1W 1N7

Email: [tpacheco@chiphospitality.com](mailto:tpacheco@chiphospitality.com)

Web site: <http://www.tourismcanmore.com/members2/radissonhotel.htm>

Phone: (1) 403 678-3625

Fax: (1) 403 678-5534

There are many hotels in Canmore. All these hotels are within walking distance from Radisson Hotel.

Please visit:

<http://tourismcanmore.com/hotels.htm>

**How to reach Canmore:**

Traveling to Canmore/Banff from Calgary air port:

There is a regular transportation from Calgary air port to Banff by mini buses (shuttles):

Airport Departure: 9:00 10:30 12:30 13:30 14:30 15:30 16:30 18:30 20:30 22:30

For more information about Canmore city, please visit:

[www.canmore.ca](http://www.canmore.ca)

The population of Canmore is about 11,400.

### **Location**

In the Canadian Rocky Mountains, 22 km east of Banff, 106 km west of Calgary (1 hour and 20 min. from the Calgary International Airport) via the Trans Canada Highway.

**Elevation:** 1309 meters (4,296 feet)

**Longitude & Latitude:** N 51.900 W 115.35783

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### **Climate**

Month	Average High °C/°F	Average Low °C/°F
January	-5.3°/22.5°	-14.9°/5.2°
April	9.0°/48.2°	-2.8°/27.0°
July	22.1°/71.8°	7.4°/45.3°
October	10.1°/50.2°	-1.1°/30.0°

Annual rainfall: 281 mm (11.06 in)

Annual snowfall: 244 cm (96.1 in)

Frost free days: 158