

5.11.2004

MONTRÉAL, CANADA

Figure 1 (left):  
Participants at the technical  
program, with  
Pierre J. Carreau in  
the first row.

Figure 2 (right):  
Technical program  
speakers with Prof. Carreau.



On November 5<sup>th</sup> 2004, top rheologists from around the World gathered at the Queen Elizabeth Hotel in Montreal, QC, Canada, for a symposium honoring the important contributions of Prof. Carreau to the fields of applied rheology, chemical engineering and education. Up to the last minute, the organizing committee was able to keep this symposium a secret from Prof. Carreau, thanks to the international rheology community! And a great surprise it was for him to enjoy a full day of high quality technical presentations and well-attended social events.

The day started by a welcoming address of Prof. Pierre Lafleur from École Polytechnique (Montreal). Shortly after, Prof. Jean-François Agassant (École Nationale des Mines de Paris, CEMEF) opened the morning technical session with a presentation on film blowing: traditions and breakthroughs. Prof. Ken Walters (University of Wales, Aberystwyth) followed with the poetic talk "Something old, something new" on the subject of elongational rheology and contraction flows, highlighting the remaining unresolved challenges of our field. The session ended with a presentation by Prof. Donald Baird (Virginia Polytechnic Institute and State University) on the role of polymer viscoelasticity in polymer sintering.

During lunchtime, the participants greatly enjoyed learning about the scientific genealogy of Pierre J. Carreau, presented by Prof. A. Jeffrey Giacomin (University of Wisconsin, Madison). As pointed out by geographical and historical evidences, several links could be found between the province of Quebec, Canada, and the state of Wisconsin, USA, apart from the time spent there by Prof. Carreau during his Ph.D. studies in Madison, where he developed his famous Carreau viscosity model. The impressive list of academic ancestors of Prof. Carreau is pre-

sented in these pages.

The afternoon technical session was launched by a captivating presentation on liquid-liquid dispersions and liquid crystalline phases by Prof. Morton Denn (City College of New York, CUNY). Prof. Henning Winter (University of Massachusetts, Amherst) followed with a talk on various criteria for polymer flow induced crystallization. The closing technical presentation of this exceptional day was given by Prof. Gareth McKinley (Massachusetts Institute of Technology) on the recent developments in the field of microrheology for complex fluids in both shear and elongational flows. The time allocated to each speaker (one hour) allowed for many stimulating discussions that were continued long after.

Following a photo session of the participants at the technical program, more guests started to join for the evening cocktail. The banquet was opened by a presentation of Prof. Robert Papineau, Director of École Polytechnique, on the career of Pierre Carreau at this academic institution. The famous Ph.D. supervisor of Prof. Carreau, Prof. R. Byron Bird (University of Wisconsin, Madison), gave the closing talk and entertained the audience with a fascinating presentation on the Who was who in transport phenomena, greatly appreciated by the 90 participants.

At the end of the evening, the organizing committee and the participants joined to congratulate Prof. Carreau for his excellent and numerous contributions over the years, and of course, to wish him Happy Birthday!

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\* The authors would like to acknowledge Prof. A.J. Giacomin for providing the figure of the academic ancestors.