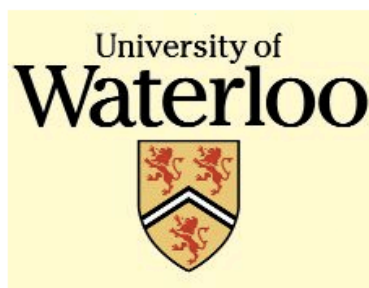




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## Personal Profile

**David J Taylor**

Professor, Director

School of Computer Science  
University of Waterloo  
200 University Avenue West  
Waterloo, Ontario, Canada N2L 3G1

**Contact**

Telephone: 519-888-4080 or x84080, 519-888-4567 x34432

Email: dtaylor@shoshin.uwaterloo.ca

- This data comes from Human Resources ( HR ) and WatIAM ( email address ).
- If the HR data is in error, please check what is recorded at <http://www.hr.uwaterloo.ca/myhrinfo/myhrinfo.html>.
- If myHRInfo data is incorrect, contact [ofiscontact@engmail.uwaterloo.ca](mailto:ofiscontact@engmail.uwaterloo.ca).
- Otherwise please click the report error tab below.

[Report Error](#)

Date of last update: September 16, 2010.

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## Academic Background

Degree	Field	Institution	Country	Date	Action
					new
Doctorate	Computer Science	Waterloo	Canada	1977/10	
Master of Mathematics	Computer Science	Waterloo	Canada	1974/10	
Bachelor of Science (BSc)	Mathematics	Saskatchewan	Canada	1973/05	
					new

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## Awards and Recognitions

Award Name	Award Description	Other Pertinent Information	Year Of Award	End Year Of Award	Action
					new
Other	Paul G. Sorenson Distinguished Graduate Lecture, University of Saskatchewan		1992		
					new

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## Awards and Recognitions

**Award Name**

Other

**Award Description**

Paul G. Sorenson Distinguished Graduate Lecture, University of Saskatchewan

**Other Pertinent Information****Year Of Award [\*]**

1992 YYYY

**End Year Of Award (if applicable)**

YYYY

**Display On Web**

Yes

SAVE



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## Expertise

### Keywords

(NSERC Form 100)

distributed systems, system monitoring, partially ordered events, fault tolerance



### Professional Scholarly Activity

(Section 14, CEAB Academic Staff Information Sheet) Please include a brief summary of your research interests, offices held in professional and technical organizations, refereeing or reviewing activities and other professional/scholarly activities such as workshop/conference organizing, standards review or academic program assessments.



### Industrial and Related Experience

(Section 15, CEAB Academic Staff Information Sheet) Please provide a brief summary of any consulting, technology transfer, or projects that you have worked on with industrial partners. For each, provide the timeframe over which the activity took place. (e.g. 2002-2003)



### International Expertise



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## CS Research Book

This page is used to  your profile in the CS Research Book, edit your data, and  your changes to the www.cs webserver.

Note that OFIS has a 30-minute timeout; be sure to save your changes below.

1. **Academic Background** (eg., Degree, institution, year graduated) may be updated in the [Academic Background](#) tab.
2. **Representative Publications** are found in the [Contributions](#) tab. Choose "Display on Web" to publish contributions in your profile- **up to five** representative publications please.
3. **Major Awards** are found in the [Awards and Recognitions](#) tab. Flag "Display on Web" to publish awards in your profile.
4. **Keywords** for the book index are found in the [Expertise](#) tab under "Research Keywords".
5. To add a link to your personal web page, enter the URL below:

**Your personal webpage:**

 <http://www.shoshin.uwaterloo.ca/~dtaylor/>

6. Optionally supply the first two areas below.  
If you are a Lecturer, the last two are mandatory.

### Research Interests:

### Industrial and Sabbatical Experience:

### Teaching Interests: (Only for Lecturers)

Professor Taylor's research concerns two major areas: distributed systems and fault tolerance. In the distributed-systems area, he has studied several issues, including replication and the debugging and monitoring of distributed applications. The work on replication produced several new replication-control protocols that

In 1983-1984, Professor Taylor spent a sabbatical at the Computing Laboratory, University of Newcastle-upon-Tyne. During that sabbatical, he studied the use of forward error recovery in the context of atomic actions, which normally use backward-error-recovery techniques. In 1990-1991, he spent a sabbatical at the





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## Contributions

### Sort:

Bibliographic Entry	Action
<b>Refereed Journal Paper</b>	
D. J. Taylor. Scrolling partially ordered event displays. "Journal of Parallel and Distributed Computing", 65:643-653, 2005. (Accepted in 2005)	
I.-L. Yen, F. B. Bastani, and D. J. Taylor. Design of multi-invariant data structures for robust shared accesses in multiprocessor systems. "IEEE Transactions on Software Engineering", 27:193-207, 2001. (Accepted in 2001)	
<b>Refereed Conference Proceedings</b>	
M. J. Nichols and D. J. Taylor. A faster closure algorithm for pattern matching in partial-order event data. "Proceedings of the 13th International Conference on Parallel and Distributed Systems (ICPADS)", 2007. (Accepted in 2007)	
M. J. Nichols and D. J. Taylor. Pattern rewriting for efficient search in partial-order event data. "Proceedings of CASCON", pp. 58-70, 2007. (Accepted in 2007)	

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## Contributions



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### Contribution Type

Refereed Journal Paper

### Would you like this Contribution to be displayed on your webpage ?

Yes

Submission [\*]:

Acceptance: [\*]

Publication: [\*]

### Year of:

2005

YYYY

2005

YYYY

2005

YYYY

### Alternative 1: Enter the contribution as a single text field

Sample: A.N. Author, A.N. Author, and A.N. Other. Article Title. "Journal Title", 11:1-44, 2009/2010.

D. J. Taylor.  
Scrolling partially ordered event displays.  
"Journal of Parallel and Distributed Computing", 65:643-653, 2005.

[Go to Co-author](#)

### Alternative 2: Enter bibliographic components individually

#### Authors

Max 250 char

#### Contribution Title

Max 250 char

#### Journal/Book/Conference Name

max 250 char

#### Editor(s)





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## Teaching

### Source of Data:

1. Quest Student Information System
2. EngSoc's Course Critique

**N.B. Currently, the only course critique data in OFIS is for Engineering. We have Quest data for all UW.** We are working on expanding the course critiques data feed to other faculties.

The info is updated for the previous term after the third week of the present term. The latest data is for the **SPRING 2010** term.

### UNDERGRADUATE TEACHING

Term	Subject	Course Number	Course Type	Enrolled	% Responses	AVG Q1-9	Q10	Action
W2010	MSCI	431	LEC	58	84.5%	89	89	
S2004	MSCI	261	LEC	95	60.0%	86	83	
S2003	MSCI	452	LEC	14	50.0%	88	89	
W2002	MSCI	261	LEC	97				

### GRADUATE TEACHING

Term	Subject	Course Number	Course Type	Enrolled	% Responses	AVG Q1-8	Q9	Action
W2008	MSCI	632	LEC	31				
S2007	MSCI	632	LEC	19				
S2006	MSCI	708	RDG	2				
W2006	MSCI	632	LEC	23				
S2005	MSCI	600	LEC	13				
W2004	MSCI	600	LEC	27	70.4%	88	79	
S2002	MSCI	632	RDG	5				

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## Supervisory Experience : Details

Source of Data:

- Graduate Studies Office (GSO)**

Updated every term after the Government Count Date (February 1st, June 30th and November 1st) from Winter 2003 **to Fall 2010**

NOTE: the years of supervision may include terms in which the student is inactive

Name	Type of HQP Training and Status	Years Supervised or Co-supervised	Thesis title	Present Position	Action
					new
Dmitry Pyryeskin	Master's ( In progress )	Co-supervised 2010-09 - ( Jesse Hoey )			
Yifan Tong	Undergraduate ( Completed )	Supervised 2009-01 - 2009-05	Evaluation of anaphora resolution methods in the opinion retrieval from blogs.	student	
Mohamad Hasan Ahmadi	Master's ( In progress )	Supervised 2009-09 -			
Mohamad Ahmadi	Master's ( In progress )	Supervised 2009-09 -	Named entity extraction from text	student	
Jerry C. Y. Chang, Peter La, Zacharia Jama	Undergraduate ( Completed )	Supervised 2008-10 -	Text mining for business applications		
Kun Cen	Master's ( Completed )	Supervised 2007-01 - 2008-08	The Use of Kullback-Leibler Divergence in Opinion Retrieval		

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## Research Support

Source of Data:

- **Office of Research** starting from the 1999 fiscal year

N.B. You can edit or delete data that you add yourself, but cannot change/save data that comes from other data sources.

The present **2010-2011 (1011 installment)** data is preliminary and subject to revision.

PI and Co-applicants	Sponsor Name, Award Type, Breakout	Title	Amount Requested Amount Granted (Year)	Action
				new
Jewkes ( Elizabeth Jewkes, Miguel Anjos, Samir Elhedhli )	Region of Waterloo Emergency Medical Services	EMS Ambulance Location and Dispatching Strategies	Reqst: \$25,000 Granted: \$25,000 (2008)	
Jewkes ( Elizabeth Jewkes, Miguel Anjos, Samir Elhedhli )	MITACS	Emergency Medical Services (EMS) Ambulance Location and Deployment Strategies	Reqst: \$35,000 Granted: \$35,000 (2008)	
Jewkes, Elizabeth M	BOMBARDIER INC CONTRACT	MUTUAL NDA	Reqst: \$0 Granted: \$0 (2009)	
Jewkes, Elizabeth M	MITACS FED NET CTR EXCEL	HIGH PERFORMANCE OPTIMIZATION: THEORY, ALGORITHM DESIGN & ENGINEERING APPLICATIONS.	Reqst: \$20,000 Granted: \$20,000 (2008) --- Reqst: \$8,333 Granted: \$8,333 (2009)	
	MITACS -	ACCELERATE ONTARIO MITACS	Reqst: \$15,000	