Conseil de recherches en sciences naturelles et en génie du Canada

			FODI	1.400				
	FORM 100 Personal Data Form					Date		
						2009/10/26		
F			PAI	<u> </u>	 			
Family name van de Pani	ne		Given name		Initial(s) of all given name	s Personai i	dentification no. (PIN)	
van de 1 am	ПС		Michiel		M	Valid	103212	
I hold a faculty position at an eligible Canadian college (complete Appendices B1 and C)								
		old an academic app ndary institution	ointment at a	Place of or	mployment other than a Ca	nadian nact	recondary	
	a pootooo	idaily interitorion			(give address in Appendix	•	Secondary	
APPOINTME	NT AT A PC	STSECONDARY	INSTITUTION	mattation	(give address in Appendix	rt)		
Title of position		JOI OLOGINDAINT	III O I I O I I O I I					
Professor				Tenured or te academic app		es X	No	
Department								
Computer Science			Part-time appointment Full-time appointment X					
Campus				For all non-tenured or non tenure-track academic appointment and				
Point Grey				Emeritus Professors, complete Appendices B & C				
Canadian posts		itution		For life-time Emeritus Professor and part-time positions, complete				
British Columbia				Appendix	С		•	
ACADEMIC	BACKGROU	IND						
Degree	Name o	of discipline	Instit	tution	С	ountry	Date yyyy/mm	
Bachelor's	Electrical	Engineering	The University of	Calgary	CANADA	Λ	1987/05	
Master's	Electrical	Engineering	University of Toro	onto	CANADA	Λ	1989/09	
Doctorate	Computer Engineering University of Tor		onto	CANADA	Λ	1994/06		
TRAINING O	F HIGHLY C	QUALIFIED PERS	ONNEL					
Indicate the nur	mber of studer	nts, fellows and othe	r research personnel that	you:				
Compathy			C	ver the past six years				

	Curr	ently	Over the pa (excluding the		
	Supervised	Co-supervised	Supervised	Co-supervised	Total
Undergraduate			3		3
Master's	3		8	1	12
Doctoral	1		3	2	6
Postdoctoral	1		1	1	3
Others					
Total	5		15	4	24



Personal identification no. (PIN)

Valid 10

103212

Family name

van de Panne

ACADEMIC, RESEARCH AND INDUSTRIAL EXPERIENCE (use one additional page if necessary)					
Position held (begin with current)	Organization	Department	Period (yyyy/mm to yyyy/mm)		
Professor	British Columbia	Computer Science	2008/07		
Associate Professor	University of British Columbia	Computer Science	2002/01 to 2008/06		
founder	Motion Playground		2000/07 to 2003/07		
visiting professor	University of British Columbia	Computer Science	1999/07 to 2002/12		
Associate Professor	University of Toronto	Computer Science	1998/07 to 2001/06		
Assistant Professor	University of Toronto	Computer Science	1993/07 to 1998/06		
summer researcher	National Research Council of Canada	Institute for Information Technology	1990/05 to 1990/08		
summer student	SPAR Aerospace	Robotics Division	1987/05 to 1987/08		
summer student	Robotic Systems International		1986/05 to 1986/08		

Personal ident	tification no. (PIN)	Family name	
Valid	103212	van de Panne	

ACADEMIC, RESEARCH AND INDUS	TRIAL EXPERIENCE (use one additional page	age if necessary)	
Position held (begin with current)	Organization	Department	Period (yyyy/mm to yyyy/mm)
summer student	Esso Canada Ltd.	Research	1985/05 to 1985/08
summer student	Geophysical Microcomputer Applications		1984/05 to 1984/08

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Personal identification no. (PIN)

Valid 103212

Family name

van de Panne

RESEARCH SUPPORT			
Family name and initial(s) of applicant	Title of proposal, funding source and program, and time commitment (hours/month)	Amount per year	Years of tenure (yyyy)
	ERC grants and university start-up funds) held as an applicant or a support currently held, and c) support applied for. For group grants, in the use additional pages as required.		
a) Support held in the past 4 ye	ars		
K Singh and 6 others - \$ shown reflect my fraction	Mathematical Surface Representations for Conceptual Design MITACS Information Technology Research Projects 10 hours/month	3,000 2,000 11,000 5,000	2006 2007 2008 2009
Kellogg Booth	Direct Multi-Touch Interaction for a Very Large Wall Display NSERC RTI (equipment)	151,000 (10%)	2006
b) Support currently held Michiel van de Panne	Advanced data-driven and user-driven content creation for computer graphics NSERC Discovery Grant 60 hours/month	46,000 46,000 46,000 46,000 46,000	2005 2006 2007 2008 2009
c) Support applied for Kellogg Booth and 49 others	GRAND: Graphics, Animation, and New Media Canada Canadian Networks of Centers of Excellence 2009 NCE Competition for New Networks 50 hours/month	4,650,000 (2%) 4,650,000 (2%) 4,650,000 (2%) 4,650,000 (2%) 4,650,000 (2%)	2011 2012 2013

Highly Qualified Personnel (HQP)

Provide personal data about the HQP that you currently, or over the past six years, have supervised or co-supervised.

			Personal identification no. (PIN)	Family name
			Valid 103212	van de Panne
Name	Type of HQP Training and Status	Years Supervised or Co-supervised	Title of Project or Thesis	Present Position
(Name withheld)	Master's (In Progress)	Supervised 2009 -	Interactive Diagrams	in progress
(Name withheld)	Master's (In Progress)	Supervised 2008 -	The Animation Canvas	in progress
(Name withheld)	Postdoctoral (In Progress)	Supervised 2008 -	Physics-based motion skills.	in progress
(Name withheld)	Doctoral (In Progress)	Supervised 2007 -	Planning and Control for Simulated Bipedal Locomotion	in progress
(Name withheld)	Master's (In Progress)	Supervised 2006 -	Recognition of sketched object	in progress
(Name withheld)	Postdoctoral (Completed)	Supervised 2008 - 2008	Continuation methods for adap simulated skills	ting associate researcher, Microsoft Research Asia
(Name withheld)	Master's (Completed)	Co-supervised 2006 - 2008	Sketch-based model deformation	on game industry, Vancouver
(Name withheld)	Doctoral (Completed)	Co-supervised 2005 - 2008	Data-Driven Kinematic and Dynamic Models for Character	Associate Researcher, Microsoft Research Asia
(Name withheld)	Doctoral (Not Completed)	Supervised 2006 - 2007	Learning Locomotion Skills	game industry, Vancouver
(Name withheld)	Master's (Completed)	Supervised 2005 - 2007	Planning dynamic vehicle moti using move trees	on game industry, Vancouver
(Name withheld)	Doctoral (Completed)	Supervised 1999 - 2007	Toward More Efficient Motion Planning with Differential Con	
(Name withheld)	Doctoral (Not Completed)	Co-supervised 1996 - 2007	Interfaces for Interactive Contr of Physics-Based Animatio	ol unknown
(Name withheld)	Master's (Completed)	Supervised 2004 - 2006	Sketch-based Modeling of Parameterized Objects	game industry, Vancouver
Zhijin Wang	Master's (Completed)	Supervised 2004 - 2006	Design and Implementation of Voice-Driven Animation Syste	
(Name withheld)	Undergraduate (Completed)	Supervised 2004 - 2005	Novel multimodal interfaces for character animation	or unknown
Dana Sharon	Doctoral (Not Completed)	Supervised 2004 - 2005	statistically based sketch recognition	game industry, Vancouver
(Name withheld)	Undergraduate (Completed)	Supervised 2004 - 2005	Character path planning in constrained environments	MSc, U Toronto
Jason Harrison	Postdoctoral (Completed)	Co-supervised 2002 - 2005	Perceptual Models for Compute Animation	er PDFTron, Vancouver
(Name withheld)	Master's (Completed)	Supervised 2003 - 2004	Sketch-based Instancing of Parameterized 3D Models	game industry, Vancouver
Dana Sharon	Master's (Completed)	Supervised 2003 - 2004	Synthesis of Stylized Walking Controllers	game industry, Vancouver



Highly Qualified Personnel (HQP)

Provide personal data about the HQP that you currently, or over the past six years, have supervised or co-supervised.

			Personal identification no. (PIN)	Family name
			Valid 103212	van de Panne
Name	Type of HQP Training and Status	Years Supervised or Co-supervised	Title of Project or Thesis	Present Position
Dinos Tsiknis	Undergraduate (Completed)	Supervised 2003 - 2004	Interpreting Sketches of 3D Polygonal Objects	game industry, Vancouver
Kenneth Alton	Master's (Completed)	Supervised 2003 - 2004	Reinforcement Learning Using Semi-Parametric Policies	PhD program
(Name withheld)	Master's (Completed)	Supervised 2003 - 2004	An Interface for Prototyping Dynamic Aerial Motions	Software developer, Microsoft, Redmond
Hamish Carr	Doctoral (Completed)	Co-supervised 2002 - 2004	Topological Manipulation of IsoSurfaces	Lecturer, Dept of CS, Univ College Dublin

Form 100 (2009 W), page 4-1 of 4 Personal information collected on this form and appendices will be stored in the Personal Information Bank for the appropriate program. Version française disponible



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1 Most Significant Contributions to Research (2003-2009)

I have played a key role in all of the following projects through participation in defining the ideas, guiding development, and writing. For two projects, I have also made contributions to aspects of the implementation.

Simple Biped Locomotion Control

Our SIMBICON project [J10] enables real-time physics-based character simulations to walk, run, turn, skip, recover from pushes, and cope with terrain slope variations. The paper makes two primary technical contributions: a robust balance strategy for walking and a new method for learning feed-forward control. The lack of simple and robust control strategies for walking has long been a sticking point in the further development of physics-based animation and made it difficult to develop practical scenarios that went beyond rag-doll simulations. As such, this work has played a role (although this is for others to judge) in helping to revitalize physics-based character animation. A growing fraction of character animation papers at SIGGRAPH and elsewhere are now on physics-based animation and control.

We are aware of 10 different implementations of the method by other teams, 4 of these in indudstry. This is a high number given the complexities of implementing dynamic walking simulations. The work has been presented at ACM SIGGRAPH, and also as a poster-with-livedemo at leading venues for machine learning (NIPS) and walking simulation (Dynamic Walking). The method was presented at two seminar series at Cornell University on invitation from Andy Ruina, who is well known for his work on the energetics of walking. We have made our most recent implementation freely available and it is being downloaded on a regular basis. Since publication two years ago, Google Scholar shows 39 citations (caveat: includes self-citations).

Flexible Locomotion Skills

Given basic locomotion, a next step is to develop locomotion skills that are aware of their environment. We have pursued three directions: (a) automatic adaptation of walking to tasks such as climbing large steps, stepping over objects, pushing heavy objects, and walking on ice [J6]; (b) learning to walk in constrained environments, such as walking over terrain with sequences of gaps [J5]; and (c) learning task-level control policies, such as walking or running quickly to a desired location [J10]. In association with [J10], we distribute two simple prototype games with fully physics-based character animation, arguably among the first of their kind wherein physics-based characters move with a reasonable degree of skill. While it is too early to judge their impact, the methods have been enthusiastically received in demonstrations to game developers, humanoid robot developers, and at invited talks.

Novel Animation Interfaces

We have developed a number of new interface techniques for animation, including: a penbased interface for drawing motions [J1], a voice-driven interface allowing for multimodal voiceand-pointing direction of character motion [C9], and a game-controller-based interface for the control of physics-based sports stunts [C6]. [J1] has been the most influential (88 citations, Google Scholar). One impact has been to encourage the invention of new interface 'languages', where the input vocabulary of gestures are reminiscent of the motions that they are intended to trigger. For example, the SIGGRAPH 2009 paper "Performance-based control interface for character animation" further explores this idea in very interesting ways.

Sketch-based Modeling

I maintain a strong interest in sketch-based modeling techniques. Our work on "Sketch-based modeling of Parameterized Objects" [C5] was among the first to explore the use of techniques from model-based vision in support of sketch-based modeling and it has played an iconic role in that context. A revised version of this work will appear as a chapter in a first book on Sketch Based Interfaces and Modeling [NR2]. We build further on this direction in recent work on "Modeling from Contour Drawings" [C15], where we construct 3D models from drawings with the help of 3D template geometry. We compute optimal correspondences between the template geometry and the drawing using a hidden Markov model framework, and then apply recent variational deformation techniques to reshape the model and its pose to match the drawing. We believe that the use of strong shape priors will continue to play a critical role in the interpretation of sketches and drawings.

2 Research Contributions (2003–2009)

ACM Transactions on Graphics (TOG) and its ACM SIGGRAPH and ACM SIGGRAPH ASIA issues are the most competitive and highest-impact publication venues, and so they remain my first choice for publication (eight publications since 2004). The ACM/EG Symposium on Computer Animation is the top forum dedicated specifically to computer animation, and is thus my second choice. With few exceptions, the listed publications receive at least 4 reviews based on the full-length paper. SIGGRAPH and SIGGRAPH ASIA papers receive a minimum of 5 detailed, full-length reviews followed by a revision cycle before publication in ACM TOG.

The authorship convention in computer graphics lists students first, in order of contribution, followed by faculty, in order of contribution. Graduate students or post-doctoral fellows that I have supervised are listed in boldface. In collaborations with my students, I participate fully in idea conception, guidance of the implementation, and the writing. For outside collaborations, I comment on my contributions in the bibliographic entry (space permitting).

NSERC has been the primary source of funding for my research, with MITACS funding providing partial student funding for projects related to sketch-based modeling.

Refereed Journal Articles

- [J10] **Stelian Coros**, **Philippe Beaudoin**, and Michiel van de Panne. Robust task-based control policies for physics-based characters. *ACM Trans. on Graphics (Proc. SIGGRAPH ASIA, accepted as of Aug 2)*, 2009. 9 pages.
- [J9] Weiwei Xu, Jun Wang, KangKang Yin, Kun Zhou, Michiel van de Panne, Falai Chen, and Baining Guo. Joint-aware manipulation of deformable models. *ACM Trans. Graphics* (*Proc. ACM SIGGRAPH*), 28(3):35, 2009. 9 pages. **Contributions: examples, writing**.
- [J8] Nicolas Bonneel, Sylvain Paris, Michiel van de Panne, Frédo Durand, and George Drettakis. Single photo estimation of hair appearance. Computer Graphics Forum (Proc. Eurographics Symposium on Rendering), 28(4):1171–1180, 2009. Contributions: algorithm, writing.

- [J7] **Hamish Carr**, Jack Snoeyink, and Michiel van de Panne. Flexible isosurfaces: Simplifying and displaying scalar topology using the contour tree. *Computational Geometry: Theory and Applications*, 43:42–58, 2010. to appear, accepted March 20 2009.
- [J6] KangKang Yin, Stelian Coros, Philippe Beaudoin, and Michiel van de Panne. Continuation methods for adapting simulated skills. *ACM Trans. Graphics (Proc. ACM SIG-GRAPH)*, 27(3):81, 2008. 7 pages.
- [J5] **Stelian Coros**, **Philippe Beaudoin**, **KangKang Yin**, and Michiel van de Panne. Synthesis of constrained walking skills. *ACM Trans. Graphics (Proc. ACM SIGGRAPH ASIA)*, 27(5):113, 2008. 9 pages.
- [J4] Tao Ju, Qian-Yi Zhou, Michiel van de Panne, Danny Cohen-Or, and Ulrich Neumann. Reusable skinning templates using cage-based deformations. *ACM Trans. Graphics (Proc. ACM SIGGRAPH ASIA)*, 27(5):122, 2008. 10 pages. **Contributions: idea, writing**.
- [J3] KangKang Yin, Kevin Loken, and Michiel van de Panne. SIMBICON: Simple biped locomotion control. ACM Trans. Graphics (Proc. SIGGRAPH), 26(3), 2007. 10 pages.
- [J2] **Jason Harrison**, Ron Rensink, and Michiel van de Panne. Obscuring length changes during animated motion. *ACM Trans. Graphics (Proc. SIGGRAPH)*, 23(3):569–73, 2004.
- [J1] **Matthew Thorne**, **David Burke**, and Michiel van de Panne. Motion Doodles: An interface for sketching character motion. *ACM Trans. Graphics (Proc. SIGGRAPH)*, 23(3):424 431, 2004.

Refereed Conference Proceedings (refereed on full paper)

- [C15] Vladislav Kraevoy, Alla Sheffer, and Michiel van de Panne. Modeling from contour drawings. In *Proc. EG Symposium on Sketch-Based Interfaces and Modeling*, 2009. 8 pages.
- [C14] Philippe Beaudoin, Michiel van de Panne, Pierre Poulin, and **Stelian Coros**. Motion-motif graphs. In ACM/EG Symposium on Computer Animation, 2008. 10 pages.
- [C13] Maciej Kalisiak and Michiel van de Panne. Faster motion planning using learned local viability models. In *Proc. IEEE Int'l Conf. on Robotics and Automation*, 2007. 6 pages.
- [C12] Philippe Beaudoin, Pierre Poulin, and Michiel van de Panne. Adapting wavelet compression to human motion capture clips. In *Proc. Graphics Interface*, pages 313–318, 2007.
- [C11] **Dana Sharon** and Michiel van de Panne. Constellation models for sketch recognition. In SBIM'06: EG Sketch Based Interfaces and Modeling, pages 19–27, 2006.
- [C10] Maciej Kalisiak and Michiel van de Panne. RRT-blossom: RRT with a local flood-fill behavior. In *Proc. IEEE Int'l Conf. on Robotics and Automation*, 2006. 6 pages.
- [C9] **Zhijin Wang** and Michiel van de Panne. Walk to here: A voice driven animation system. In *ACM SIGGRAPH/EG Symp. on Computer Animation*, pages 243–251, 2006.
- [C8] **Ken Alton** and Michiel van de Panne. Learning to steer on winding tracks using semi-parametric control policies. In *IEEE Int'l Conf. on Robotics and Automation*, 2005. 6 pages.

- [C7] **Dana Sharon** and Michiel van de Panne. Synthesis of controllers for stylized planar bipedal walking. In *IEEE Int'l Conf. on Robotics and Automation*, 2005. 6 pages.
- [C6] **Peng Zhao** and Michiel van de Panne. User interfaces for interactive control of physics-based 3d characters. In *ACM Symp. on Interactive 3D Graphics and Games*, 2005. 8 pages.
- [C5] Chen Yang, Dana Sharon, and Michiel van de Panne. Sketch-based modeling of parameterized objects. In EG Sketch-Based Interfaces and Modeling, 2005. 10 pages.
- [C4] **Kangkang Yin**, Dinesh Pai, and Michiel van de Panne. Data-driven interactive balancing behaviors. In *Pacific Graphics*, 2005. Accepted as 4-page short paper; full paper is 9 pages.
- [C3] Maciej Kalisiak and Michiel van de Panne. Approximate safety enforcement using computed viability envelopes. In *IEEE Int'l Conf. on Robotics and Automation*, 2004. 6 pages.
- [C2] **Hamish Carr**, Jack Snoeyink, and Michiel van de Panne. Simplifying flexible isosurfaces using local geometric measures. In *Proceedings of IEEE Visualization*, 2004. 8 pages.
- [C1] Petros Faloutsos, Michiel van de Panne, and Demetri Terzopoulos. Autonomous reactive control for simulated humanoids. In *IEEE Int'l Conf. on Robotics and Automation*, 2003. 8 pages.

Abstracts, Posters, and Sketches (refereed on abstract)

- [A9] Stelian Coros, Philippe Beaudoin, and Michiel van de Panne. Control of a physics-based character in a virtual environment. In *Dynamic Walking*, 2009. poster presentation.
- [A8] **Stelian Coros**, **Philippe Beaudoin**, and Michiel van de Panne. Towards games with physics-based characters. In *ACM/EG Symposium on Computer Animation*, 2009. poster presentation.
- [A7] Stelian Coros, Philippe Beaudoin, KangKang Yin, and Michiel van de Panne. Synthesis of constrained walking skills. In ACM/EG Symposium on Computer Animation, 2008. poster presentation.
- [A6] Stelian Coros, KangKang Yin, Kevin Loken, and Michiel van de Panne. SIMBICON: simple biped locomotion control. In *Dynamic Walking*, 2007. poster presentation.
- [A5] David White, **Kevin Loken**, and Michiel van de Panne. Slow-in and slow-out cartoon animation filter. In *Poster presentation*, *ACM SIGGRAPH*, 2006. finalist in best-poster competition (top 25/179).
- [A4] Chen Yang, Dana Sharon, and Michiel van de Panne. Sketch-based modeling of parameterized objects. In ACM SIGGRAPH Technical Sketch, 2005.
- [A3] **Jason Harrison**, Ron Rensink, and Michiel van de Panne. Length changes are difficult but not impossible to detect without attention. Vision Sciences Society, 2004. refereed abstract and poster presentation.
- [A2] **Hamish Carr**, Jack Snoeyink, and Michiel van de Panne. Contour tree simplification with local geometric measures. In 14th Annual Fall Workshop on Computational Geometry, 2004. Reviewed by abstract only.

[A1] **Jason Harrison**, Ron Rensink, and Michiel van de Panne. Detecting changes of velocity of smoothly moving objects. Vision Sciences Society, May 9-14 2003. refereed abstract and poster presentation.

Non-refereed Contributions

- [NR2] Michiel van de Panne and Dana Sharon. Flexible parts-based sketch recognition. In Joaquim Jorge and Faramarz Samavati, editors, *Sketch Based Interfaces and Modeling*, chapter 5. Springer, 2010. to appear.
- [NR1] Michiel van de Panne and Cedric Lee. Ski stunt simulator: Experiments with interactive dynamics. In *Proceedings of the 14th Western Computer Graphics Symposium*, Banff, Canada, April 2003.

Edited Volumes

- [V2] Michiel van de Panne and Eric Saund, editors. *Proceedings of Sketch Based Interfaces and Modeling*. ACM SIGGRAPH and Eurographics, 2008. ISBN:978-1-59593-915-3.
- [V1] Kori Inkpen and Michiel van de Panne, editors. *Proceedings of Graphics Interface*. AK Peters Ltd., 2005. ISBN 1-56881-265-5.

3 Other Evidence of Impact and Contributions (2003-2009)

- Canada Research Chair, 2007 (Tier 2, five-year renewal)
- Program co-Chair, EG Symposium on Sketch-based Interfaces and Modeling, 2007.
- Program co-Chair, Graphics Interface 2005.
- Chair and organizer, 15th Western Canadian Computer Graphics Symposium, 2004
- Associate Editor, ACM Transactions on Graphics, (2005–2008)
- Associate Editor, Revue electronique francophone d'informatique graphique, (2006–)
- Steering Committee, ACM/Eurographics Symposium on Computer Animation (2003-2005)
- MITACS College of Reviewers (2008–present)
- Program Committees: ACM SIGGRAPH ASIA (2009), ACM SIGGRAPH (2003, 2004, 2005, 2007), ACM Symposium on Computer Animation, (2003–2009), NPAR (2006), Graphics Interface (2003, 2004, 2005), CASA (2004-2008)

4 Delays in Research Activity

None expected.

5 Contributions to the Training of Highly Qualified Personnel

I have supervised or co-supervised 21 M.Sc., Ph.D., and Postdoctoral Fellows since 2004. Of these, five are ongoing and two have left before completion.

Conseil de recherches en sciences naturelles et en génie du Canada

APPENDIX A Personal Data (Form 100)



Complete this appendix (i) if you are an applicant or co-applicant applying for the first time; (ii) if you need to update information submitted with a previous application; or (iii) if you do not hold an appointment at a Canadian postsecondary institution. For updates, include only the revised information in addition to the date, your name and your PIN.

date, your name and you				ĺ	_	
		rily to contact applicants and			Date	
used to identify prospect seen or used in the adjud		nmittee members, and to gen	erate statistics. It will not I	be	200	09/10/26
Family name		Given name	Initial(s) of all given	names	Personal ide	ntification no. (PIN)
van de Panne		Michiel M			Valid	103212
Position and complete r	nailing address if you	r primary place of employmer	nt is not a Canadian		If address is	temporary,
postsecondary institution or if your current mailing address is temporary					indicate:	
					Starting date	9
					Leaving date	Э
					J	
CANADA						
Telephone number		Facsimile number	E-mail address	Ц		
(604) 822-873	37	(604) 822-4231	van@cs.ubc.ca			
Telephone number (alte	ernate)	Give an alternate telephone number only if you of		Gender (completion optional)		
			nber during business hou		X Male	e Female
LANGUAGE CAPAB	ILITY	·				
English	Dood V	Write	X	C n	eak X	
English	Read X	Write	<u> </u>	Spi	eak X	
French	Read X	Write	X	Sp	eak X	
I wish to receive my	correspondence:	in English	X	in Fre	nch	
AREA(S) OF EXPER	TISE					
Provide a maximum of to separate them. If you which one(s).	10 key words that des u have expertise with p	scribe your area(s) of expertis particular instruments and ted	e. Use commas hniques, specify	Resea	rch subject co	ode(s)
computer animation, physics-based simulation, motion control, motion						
planning, robotics, kinesiology, biomechanics, human modeling and simulation, sketch based modeling					2707	
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Form 100, Appendix A (2009 W)

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Appendix D (Form 100) **Consent to Provide Limited Personal Information About** Highly Qualified Personnel (HQP) to NSERC

NSERC applicants are required to describe their contributions to the training or supervision of highly qualified personnel (HQP) by providing certain details about the individuals they have trained or supervised during the six years prior to their current application. HQP information must be entered on the Personal Data Form (Form 100). This information includes the trainee's name, type of HQP training (e.g., undergraduate, master's, technical etc.) and status (completed, in-progress, incomplete), years supervised or co-supervised, title of the project or thesis, and the individual's present position.

Based on the federal Privacy Act rules governing the collection of personal information, applicants are asked to obtain consent from the individuals they have supervised before providing personal data about them to NSERC. In seeking this consent, the NSERC applicant must inform these individuals what data will be supplied, and assure them that it will only be used by NSERC for the purpose of assessing the applicant's contribution to HQP training. To reduce seeking consent for multiple applications, applicants will only need to seek consent one time for a six-year period. If the trainee provides consent by e-mail, the response must include confirmation that they have read and agree to the text of the consent form.

When consent cannot be obtained, applicants are asked to not provide names, or other combinations of data, that would identify those supervised. However, they may still provide the type of HQP training and status, years supervised or co-supervised, a general description of the project or thesis, and a general indication of the individual's present position if known.

An example of entering HQP information on Form 100 (with and without consent):

Name	Type of HQP Training and Status	Years Supervised or Co-supervised	Title of Project or Thesis	Present Position		
Consent Recei	ved from Marie Roy	/				
Roy, Marie	Undergraduate (Completed)	Supervised 1994 - 1997	Isotope geochemistry in petroleum engineering	V-P (Research), Earth Analytics Inc., Calgary, Alberta		
Consent Not O	Consent Not Obtained from Marie Roy					
(name withheld)	Undergraduate (Completed)	Supervised 1994 - 1997	Isotope geochemistry	research executive in petroleum industry - western Canada		

Consent Form

Name of Trainee	
Applicant Information	
Name van de Panne, Michiel M	
Department	Postsecondary Institution
Computer Science	British Columbia
consideration to NSERC for the next six years. This limit status, years supervised or co-supervised, title of the proposition title and company or organization at the time the	ted personal data about me in grant applications submitted for ted data will only include my name, type of HQP training and bject or thesis and, to the best of the applicant's knowledge, my application is submitted. I understand that NSERC will protect will only be used in processes that assess the applicant's (HQP), including confidential peer review.
Trainee's signature	Date
Note: This form must be retained by the applicant and m	·
Form 100, Appendix D (2009 W) PROTEC	TED WHEN COMPLETED Version française disponible

