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SECTION 3 – HIGHLY QUALIFIED PERSONNEL (HQP) TRAINING

3.1.	OVERVIEW & HIGHLIGHTS	15
3.2.	RESEARCH ASSOCIATES & ASSISTANTS	15
3.3.	POSTDOCTORAL FELLOWS.....	16
3.4.	GRADUATE STUDENTS	17
3.5.	VISITING RESEARCHERS.....	24
3.6.	TECHNICAL & ADMINISTRATIVE STAFF.....	25

SECTION 3 – HIGHLY QUALIFIED PERSONNEL (HQP) TRAINING

3.1. OVERVIEW & HIGHLIGHTS

In my research program and group, I have seven categories of Highly Qualified Personnel (HQP):

- (1) Research Associates (R-Asc) / Assistants (R-Ast);
- (2) Postdoctoral Fellows (PDF);
- (3) PhD Students (PhD);
- (4) MSc Students (MSc);
- (5) Visiting Researchers (VR);
- (6) Technical Staff (Tec-Stf); and
- (7) Administrative Staff (Adm-Stf).

My HQP (R-Asc/R-Ast, PDF, PhD, MSc, VR, and Tec-Stf) conduct research in Interactive Visual Computing (IVC) – i.e., interactive computer graphics, visualization & visual analytics, and human-data & computer interaction – for Research Themes RT-(1, 2, 3, 4, 5), and in applied IVC to the disciplines of Geoscience and Petroleum Engineering (GPE).

The next sections provide more information about each HQP, including

- Full names, HQP category, year completed or expected to complete (in parenthesis)
- For graduate students, their thesis title, department, and institution.
- Discipline Categories: Interactive Visual Computing or Geoscience & Petroleum Engineering (GPE) / primary Research Theme(s): RT-(1, 2, 3, 4, 5) – e.g., “IVC / RT-2” means the HQP’s research is in the disciplines of “Interactive Visual Computing” with a primary Research Theme #2 “Sketch-based Interfaces & Modeling”.
- Supervisor / Co-Supervisor
- List of publications
- Present position (w/ web link) for HQP who completed their degrees and research work.

3.2. RESEARCH ASSOCIATES & ASSISTANTS

1 in progress + 2 completed

Name	Title	Yr.	RT
Silva, Julio Daniel	R-Asc	(2018)	RT-4
Somanath, Sowmya	R-Ast	2013	RT-5
Sultanum, Nicole	R-Ast	2012	RT-5

1. Silva, Julio Daniel – Sr. Rsrch Associate (In Progress)

- IVC / RT-4 (primary); also working on RT-2
- Supv: Costa Sousa
- 5 Publications:
 - Hamdi *et al.* '15c
 - Rocha *et al.* '17(a, b)
 - Zhang *et al.* '17(a, b)

2. Somanath, Sowmya – Rsrch Assistant, 2012 - 2013

- IVC / RT-5 (primary); also worked on RT-3
- Supv: Costa Sousa / Sharlin
- 2 Publications:
 - Somanath *et al.* '13(a, b)

3. Sultanum, Nicole – Rsrch Assistant, 2011 - 2012

- IVC / RT-5 (primary); also worked on RT-3
- Supv: Costa Sousa / Sharlin
- 2 Publications:
 - Sultanum *et al.* '12, '13

3.3. POSTDOCTORAL FELLOWS

3 in progress + 6 completed

Name	Yr.	RT
de Carvalho, Felipe Moura	(2018)	RT-2
Hajizadeh, Yasin	2013	RT-4
Hamdi, Hamidreza	(2018)	RT-4
Machado Silva, Clarissa Coda	(2018)	RT-3
Silva, Julio Daniel	2017	RT-4
Singh, Kulwinder	2011	RT-3
Streit, Lisa	2006	RT-4
Vital Brazil, Emilio	2016	RT-2
Wahanik, Helmut	2016	RT-4

1. **de Carvalho, Felipe Moura** – PDF, (In Progress)
 - IVC / RT-2 (primary); also working on RT-3
 - Supv: Costa Sousa
 - 3 Publications:
 - de Carvalho *et al.* '16
 - Zhang *et al.* '17(a, b)
2. **Hajizadeh, Yasin** – PDF, 2011 - 2013
 - GPE / RT-4 (primary); also RT-3
 - Supv: Costa Sousa
 - 7 Publications:
 - Hajizadeh *et al.* ['12, '13]
 - Amorim E *et al.* '12b
 - Amorim R *et al.* '12b
 - Hamdi *et al.* ['14, '15(a, d)]
 - Pres. Pos.: Sr. Data Sci. @ Schlumberger (USA)
3. **Hamdi, Hamidreza** – PDF, (In Progress)
 - GPE / RT-4 (primary); also RT-3
 - Supv: Costa Sousa
 - 17 Publications:
 - Hamdi *et al.* ['13, '14, '15(a, b, c, d), '17(a, b, c)]
 - Hamdi & Costa Sousa '16
 - Cabral R Mota *et al.* '16(a, c)
 - Karami Moghadam *et al.* '12
 - Khani *et al.* '17
 - Sahaf *et al.* ['16, '17b]
 - Somanath *et al.* '15a

4. **Machado Silva, Clarissa Coda** – PDF, (In Progress)
 - IVC / RT-3 (primary); also RT-5
 - Supv: Costa Sousa
 - 2 Publications: Zhang *et al.* '17(a, b)
5. **Silva, Julio Daniel** – PDF, 2016 - 2017
 - IVC / RT-4 (primary); also RT-(2, 3)
 - Supv: Costa Sousa
 - 1 Publication: Hamdi *et al.* '15c
 - Pres. Pos.: Sr. R-Asc @ U. of Calgary (CAD)
6. **Singh, Kulwinder** – PDF, 2010 - 2011
 - IVC / RT-4
 - Supv: Gavrilova / Costa Sousa
 - Pres. Pos.: Rsrch Faculty @U. of S. Florida (USA)
7. **Streit, Lisa** – PDF, 2005 - 2006
 - IVC / RT-4 (primary); also RT-(2, 5)
 - Supv: Prusinkiewicz / Costa Sousa
 - 3 Publications:
 - Streit *et al.* ['05, '06]
 - Lapidés *et al.* '06
 - Pres. Pos.: Soft. Eng. @ Electronic Arts (EA) (CAD)
8. **Vital Brazil, Emilio** – PDF, 2012 - 2015
 - IVC / RT-4 (primary); also RT-(1, 2, 3, 5)
 - Supv: Costa Sousa
 - 19 Publications:
 - Vital Brazil *et al.* ['14, '15]
 - Amorim E *et al.* ['12a, '14, '15]
 - Amorim R *et al.* ['12(a, b, c), '14]
 - Cevolani *et al.* '13; Costa Sousa *et al.* '14
 - de Carvalho *et al.* '16; Jackson *et al.* '15
 - Martins Filho *et al.* '12
 - Mostafa *et al.* ['12, '13(a, b)]
 - Somanath *et al.* '12; Sultanum *et al.* '13
 - Pres. Pos.: Rsrch Scientist @ IBM Research (BRA)
9. **Wahanik, Helmut** – PDF, 2015 - 2016
 - IVC / RT-4
 - Supv: Costa Sousa
 - Pres. Pos.: Soft. Eng. @ Waterloo Hydrogeologic (CAD)

3.4. GRADUATE STUDENTS

PhD Students (PhD)

6 in progress + 7 completed

Name	Yr.	RT
Amorim, Elisa	2016	RT-3
Amorim, Ronan	2017	RT-2
Christina, Bruna	(2022)	RT-3
Hasan, Mahmudul	(2018)	RT-4
Jepp, Pauline	2007	RT-1
Karami Moghadam, Ali	2017	RT-4
Khani, Hojjat	(2018)	RT-4
Li, (Nico) Hao	(2018)	RT-5
Mostafa, Ahmed E	2018	RT-5
Rocha, Allan	(2018)	RT-3
Sahaf, Zahra	(2018)	RT-3
Somanath, Sowmya	2017	RT-5
Vital Brazil, Emilio	2011	RT-2

Note: PhD Mostafa and Somanath (completed) also completed their MSc degrees in my group (table on the right)

MSc Students (MSc, thesis based)

1 in progress + 23 completed

Name	Yr.	RT
Anastacio, Fabricio	2007	RT-2
Brosz, John	2005	RT-4
Brunn, Meru	2006	RT-1
Burns, Christopher	2013	RT-5
Cabral R Mota, Roberta	2017	RT-5
Cartwright, Stephen	(2018)	RT-3
Chen, (Jason) Hung-Li	2007	RT-4
Cherlin, Joseph	2006	RT-2
Foster, Kevin	2005	RT-1
Lapides, Paul	2012	RT-5
Martins Filho, Zamir	2013	RT-3
Medeiros, Jonatas	2008	RT-1
Mostafa, Ahmed E	2012	RT-3
Nittala, Aditya S	2015	RT-5
Olsen, Luke	2007	RT-4
Proença, Joao	2007	RT-1
Rivotti, Vera	2007	RT-1
Roberts, Mike	2012	RT-4
Seyed, (Teddy) Alemayehu	2013	RT-5
Somanath, Sowmya	2012	RT-5
Sultanum, Nicole	2011	RT-5
Taerum, Torin	2007	RT-1
Xin, Min	2011	RT-2

Notes:

- All MSc students listed were/are in an MSc thesis-based stream. In this stream, students complete program requirements — i.e., define the research problem, carry out the thesis research, publish journal and/or conference manuscripts, and write and defend the thesis—within a two year (full-time) or 4 years (part-time) designated timeframe.

More information about each of the graduate students is provided next.

1.	<p>Amorim, Elisa – PhD, 2016</p> <p>Multidimensional Projection Visualization: Control-points Selection and Inverse Projection Exploration <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-3</p> <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Samavati ➤ 5 Publications: <ul style="list-style-type: none"> • Amorim E et al. ['12(a, b), '14, '15] • Hajizadeh et al. '12 ➤ Internships during PhD: <ul style="list-style-type: none"> • <i>Microsoft</i> (USA) ➤ Pres. Pos.: Soft. Eng. @ <i>Microsoft</i> (USA)
2.	<p>Amorim, Ronan – PhD, 2017</p> <p>3D Geological Modeling from Concept Sketches and Annotations <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-2</p> <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Samavati ➤ 9 Publications: <ul style="list-style-type: none"> • Amorim R et al. ['12(a, b, c), '14] • Jackson et al. '15 • Mostafa et al. '12 • Paiva et al. '11 • Vital Brazil et al. ['14, '15] ➤ Pres. Pos.: Soft. Eng. @ <i>Microsoft</i> (USA)
3.	<p>Anastacio, Fabricio – MSc, 2007</p> <p>Hybrid Sketch-based and Procedural Modeling of Plants <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-2</p> <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Prusinkiewicz ➤ 3 Publications: <ul style="list-style-type: none"> • Anastacio et al. ['06, '08, '09] ➤ Pres. Pos.: Soft. Eng. @ <i>Computer Modelling Group (CMG) Ltd.</i> (CAD)
4.	<p>Brosz, John – MSc, 2005</p> <p>Terrain Modeling by Example <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-4</p> <ul style="list-style-type: none"> ➤ Supv: Samavati / Costa Sousa ➤ 4 Publications: <ul style="list-style-type: none"> • Brosz et al. ['04, '06, '07(a, b)] ➤ Pres. Pos.: Co-ord. Rsrch. Data & Vis. @ <i>Visualization Rsrch. Services, U. of Calgary</i> (CAD)
5.	<p>Brunn, Meru – MSc, 2006</p> <p>Curve Synthesis by Example <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-1</p> <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Samavati ➤ 2 Publications: <ul style="list-style-type: none"> • Brosz et al. '07 • Costa Sousa et al. '04 ➤ Pres. Pos.: Soft. Eng. @ <i>NGRAIN</i> (CAD)
6.	<p>Burns, Christopher – MSc, 2013</p> <p>Developing a Usable API for Multi-Surface Systems <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-5</p> <ul style="list-style-type: none"> ➤ Supv: Maurer / Costa Sousa ➤ 6 Publications: <ul style="list-style-type: none"> • Burns et al. ['12(a, b), '13] • Seyed et al. ['12, '13(b, c)] ➤ Pres. Pos.: Soft. Eng. @ <i>Nest Labs</i> (USA)

7.	Cabral Ramos Mota, Roberta – MSc, 2017 Exploring Immersive Virtual Environments for Well Placement Optimization in Reservoir Models <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-5 <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Sharlin ➤ 4 Publications: <ul style="list-style-type: none"> • Cabral R Mota <i>et al.</i> '16(a, b, c) • Sahaf <i>et al.</i> '17a ➤ Pres. Pos.: Research Associate @ <i>Reservoir Simul. Group, U. of Calgary (CAD)</i>
8.	Christina, Bruna – PhD student (2022) UAV Visual Analytics Engine <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-3 <ul style="list-style-type: none"> ➤ Supv: Sharlin / Costa Sousa
9.	Cartwright, Steven – MSc, part-time (2018) Visual and Interactive Security of Scientific Data <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-5 <ul style="list-style-type: none"> ➤ Supv: Sharlin / Costa Sousa ➤ 4 Publications: <ul style="list-style-type: none"> • Cabral R Mota <i>et al.</i> '16a • Li <i>et al.</i> ['14b, '15b]; Nittala <i>et al.</i> '15 ➤ Part-time Pos. during MSc: <ul style="list-style-type: none"> • Visualization Support Technical Manager @ <i>Reservoir Simul. Group, U. of Calgary (CAD)</i>
10.	Chen, (Jason) Hung-Li – MSc, 2007 Interactive Volume Manipulation <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-4 <ul style="list-style-type: none"> ➤ Supv: Samavati / Costa Sousa ➤ 2 Publications: <ul style="list-style-type: none"> • Chen <i>et al.</i> ['06, '08] ➤ Patent: US20090322748 ➤ Pres. Pos.: Soft. Eng. @ <i>Circle Cardiovascular Imaging (CAD)</i>
11.	Cherlin, Joseph – MSc, 2006 Sketch-Based Modeling of Parametric Surfaces using Few Strokes <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-2 <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Samavati ➤ 2 Publications: <ul style="list-style-type: none"> • Cherlin <i>et al.</i> '05 • Severn <i>et al.</i> '11 (book chapter) ➤ Pres. Pos.: Soft. Eng. @ <i>ArenaNet (USA)</i>
12.	Foster, Kevin – MSc, 2005 Precise Ink Illustrations of Polygonal Models <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-1 <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Wyvill ➤ 5 Publications: <ul style="list-style-type: none"> • Foster <i>et al.</i> ['04, '05, '07] • Costa Sousa <i>et al.</i> '03 • Wyvill <i>et al.</i> '05 ➤ Pres. Pos.: Soft. Eng. @ <i>Allay Inc. (CAD)</i>

13.	Hasan, Mahmudul – PhD candidate, (2018) Balanced Multiresolution for Symmetric & Antisymmetric Filters <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-4 ➤ Supv: Samavati / Costa Sousa ➤ 1 Publication: • Hasan et al. '15
14.	Jepp, Pauline – PhD, 2007 Using Multi-Agent Systems for Illustrative Rendering of Implicit Surfaces <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-1 ➤ Supv: Wyvill / Costa Sousa ➤ 5 Publications: • Jepp et al. ['06, '08, '09] • Foster et al. '05 • Wyvill et al. '05 ➤ Pres. Pos.: Soft. Eng. @ <i>Tritech Intl.</i> (GBR)
15.	Karami Moghadam, Ali – PhD, 2017 Global Sensitivity and Visual Analysis of Reservoir Models with Large Number of Parameters <i>Department of Chemical & Petroleum Engineering</i> <i>University of Calgary (CAD)</i>	GPE / RT-4 ➤ Supv: Chen / Costa Sousa ➤ 3 Publications: • Karami Moghadam et al. ['12, 16(a, b)] ➤ Internships during PhD: • <i>Computer Modelling Group (CMG) Ltd.</i> (CAD)
16.	Khani, Hojjat – PhD candidate, (2018) Geologically Consistent History Matching using Multipoint Geostatistics <i>Department of Chemical & Petroleum Engineering</i> <i>University of Calgary (CAD)</i>	GPE / RT-4 ➤ Supv: Chen / Costa Sousa ➤ 1 Publication: • Khani et al. '17
17.	Lapides, Paul – MSc, 2012 Designing Video Games with Social, Physical, and Authorship Gameplay <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-5 ➤ Supv: Sharlin / Costa Sousa ➤ 5 Publications: • Lapides et al. ['06, '08, '12] • Harris et al. '11, Sultanum et al. '12 ➤ Pres. Pos.: PhD cand. Comp. Sci. @ <i>U. of Calgary (CAD)</i>
18.	Li, (Nico) Hao – PhD candidate, (2018) Tangible Topography: Using Interactive Physical Models to Improve Terrain Perception <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-5 ➤ Supv: Costa Sousa / Sharlin ➤ 4 Publications: • Li et al. ['14(a, b), '15(a, b)]
19.	Martins Filho, Zamir – MSc, 2013 Tackling the Occlusion Problem in 3D Grids <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-3 ➤ Supv: Costa Sousa / Vital Brazil (PDF, mentor) ➤ 2 Publications: • Martins Filho et al. ['12, '15] ➤ Pres. Pos.: Soft. Eng. @ <i>Cisco Systems (CAD)</i>

20.	Medeiros, Jonatas – MSc, 2008 Illustrative 3D Contouring <i>Institute of Informatics</i> <i>UFRGS - Federal U. of Rio Grande do Sul (BRA)</i>	IVC / RT-1 ➤ Supv: Freitas / Costa Sousa ➤ 2 Publications: • Medeiros et al. '09 • Somanath et al. '12 ➤ Pres. Pos.: PhD stdt. @ <i>UFRGS (BRA)</i>
21. (a)	Mostafa, Ahmed E – PhD, 2018 Making Time a Space: Re-exploring Time for the Design of 3D Spatial Interactive Systems <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-5 ➤ Supv: Sharlin / Costa Sousa ➤ 3 Publications: • Mostafa et al. ['15, '16, '17] ➤ Internships during PhD: • <i>Microsoft Research (USA)</i> ➤ Pres. Pos.: <i>Advanced Micro Devices (AMD), Inc (CAD)</i>
21. (b)	Mostafa, Ahmed E – MSc, 2012 PetroVis & FractVis: Interactive Visual Exploration of High-dimensional Oil and Gas Data <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-3 ➤ Supv: Costa Sousa / Sharlin ➤ 4 Publications: • Mostafa et al. ['12, '13(a, b)] • Cevolani et al. '13 ➤ Internships during MSc: • <i>Disney Research (USA)</i> ➤ Pres. Pos.: <i>Advanced Micro Devices (AMD), Inc (CAD)</i>
22.	Nittala, Aditya S – MSc, 2015 SHVIL, PLANWELL, & FLYING FRUSTUM: Spatial Interaction with 3D Physical Maps <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-5 ➤ Supv: Costa Sousa / Sharlin ➤ 3 Publications: • Nittala et al. '15 • Li et al. ['14a, '15b] ➤ Pres. Pos.: PhD stdt., Comp. Sci. @ <i>Max-Planck Inst. & Saarland U. (DEU)</i>
23.	Olsen, Luke – MSc, 2007 Constraining Wavelets for Multiresolution <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i>	IVC / RT-4 ➤ Supv: Samavati / Costa Sousa ➤ 4 Publications: • Olsen et al. ['05, '07, '08, '09] ➤ Pres. Pos.: Soft. Eng. @ <i>Microsoft (USA)</i>
24.	Proença, Joao – MSc, 2007 Non-Photorealistic Rendering of Implicit Surfaces <i>School of Computer Science and Engineering</i> <i>Technical University of Lisbon (PRT)</i>	IVC / RT-1 ➤ Supv: Jorge / Costa Sousa ➤ 3 Publications: • Proença et al. ['07, '08] • Rivotti et al. '07 ➤ Pres. Pos.: Soft. Eng. @ <i>OutSystems (PRT)</i>

25.	Rivotti, Vera – MSc, 2007 Non-Photorealistic Rendering <i>School of Computer Science and Engineering Technical University of Lisbon (PRT)</i>	IVC / RT-1 ➤ Supv: Jorge / Costa Sousa ➤ 1 Publication: • Rivotti et al. '07 ➤ Pres. Pos.: Partner/CCO @ BeeINSIGHT (PRT)
26.	Roberts, Mike – MSc, 2012 Level Set Volume Segmentation using Programmable Graphics Hardware <i>Department of Computer Science University of Calgary (CAD)</i>	IVC / RT-4 ➤ Supv: Costa Sousa / Mitchell (Medicine) ➤ 2 Publications: • Roberts et al. '10 • Bruckner et al. '10 ➤ Pres. Pos.: PhD cand. Comp. Sci. @ Stanford U. (USA)
27.	Rocha, Allan – PhD candidate, (2018) Multiscale and Multifield Illustrative Visualization for Reservoir Model Exploration <i>Department of Computer Science University of Calgary (CAD)</i>	IVC / RT-3 ➤ Supv: Costa Sousa / Alim ➤ 3 Publications: • Rocha et al. '17(a, b) • Somanath et al. '15a
28.	Sahaf, Zahra – PhD candidate, (2018) Visual Analytics for Multi-Attribute Ranking of Earth Models for Reservoir Simulation Studies <i>Department of Computer Science University of Calgary (CAD)</i>	IVC / RT-3 ➤ Supv: Costa Sousa / Maurer ➤ 3 Publications: • Sahaf et al. ['16, '17(a, b)] ➤ Internships during PhD: • <i>Computer Modelling Group (CMG) Ltd.</i> (CAD)
29.	Seyed, (Teddy) Alemayehu – MSc, 2013 Examining User Experience in Multi-Display Environments <i>Department of Computer Science University of Calgary (CAD)</i>	IVC / RT-5 ➤ Supv: Maurer / Costa Sousa ➤ 7 Publications: • Seyed et al. ['12, '13(a, b, c)] • Burns et al. ['12(a, b), '13] ➤ Pres. Pos.: • PhD cand., Comp. Sci. @ U. of Calgary (CAD) • Co-Founder: <i>Slate Scale</i> (CAD)
30. (a)	Somanath, Sowmya – PhD, 2017 Designing Maker Culture Learning: Reinventing STEAM Education in Communities with Limited Technology Literacy, 2017 <i>Department of Computer Science University of Calgary (CAD)</i>	IVC / RT-5 ➤ Supv: Sharlin / Costa Sousa ➤ 4 Publications: • Somanath et al. ['15(a, b), '16, '17] ➤ Pres. Pos.: Assist. Prof. Fac. of Design @ OCAD U. (CAD)

30. (b)	<p>Somanath, Sowmya – MSc, 2012</p> <p>Exploring Tabletops as an Interaction Medium in the Context of Reservoir Engineering <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-3</p> <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Sharlin ➤ 6 Publications: <ul style="list-style-type: none"> • Somanath et al. ['12, '13(a, b), '14] • Sultanum et al. ['11, '12] ➤ RA in my group (2012 – 2013) ➤ Pres. Pos.: Assist. Prof. Fac. of Design @ <i>OCAD U.</i> (CAD)
31.	<p>Sultanum, Nicole – MSc, 2011</p> <p>Exploring Novel Interfaces for 3D Visualization of Reservoir Simulation Post-Processing Data <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-5</p> <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Sharlin ➤ 8 Publications: <ul style="list-style-type: none"> • Sultanum et al. ['10, '11, '12, '13] • Harris et al. '11 • Karami Moghadam et al. '12 • Lapedes et al. '12 • Somanath et al. '12 ➤ RA in my group (2011 – 2012) ➤ Pres. Pos.: PhD stdt. Comp. Sci. @ <i>U. of Toronto</i> (CAD)
32.	<p>Taerum, Torin – MSc, 2007</p> <p>Real-Time Super Resolution Contextual Close-up of Clinical Volumetric Data <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-3</p> <ul style="list-style-type: none"> ➤ Supv: Costa Sousa / Samavati ➤ 2 Publications: <ul style="list-style-type: none"> • Taerum et al. '06 • Costa Sousa et al. '05c ➤ Patent: US7893940 B2 ➤ Pres. Pos.: Dir. of Eng. @ <i>Arterys, Inc.</i> (USA)
33.	<p>Vital Brazil, Emilio – PhD, 2011</p> <p>Sketching for Modeling <i>Computer Graphics (VISGRAF) Research Unit</i> <i>IMPA – National Institute of Pure & Applied Math (BRA)</i></p>	<p>IVC / RT-2</p> <ul style="list-style-type: none"> ➤ Supv: de Figueiredo / Costa Sousa ➤ 5 Publications: <ul style="list-style-type: none"> • Vital Brazil et al. ['10(a, b), '11] • Paiva et al. '09 • Pereira et al. '11 ➤ PDF in my group (2012 – 2015) ➤ Pres. Pos.: Rsrch. Sci. @ <i>IBM Research</i> (BRA)
34.	<p>Xin, Min – MSc, 2011</p> <p>3D Sketching and Collaborative Design with Napkin Sketch <i>Department of Computer Science</i> <i>University of Calgary (CAD)</i></p>	<p>IVC / RT-5</p> <ul style="list-style-type: none"> ➤ Supv: Sharlin / Costa Sousa ➤ 3 Publications: <ul style="list-style-type: none"> • Xin et al. ['06, '08, '09] ➤ Pres. Pos.: Program Manager @ <i>SMART Technologies</i> (CAD)

3.5. VISITING RESEARCHERS

4 completed

Name	Yr.	RT
Cevolani, Juliana	2013	RT-3
Jorge, Joaquim	2005	RT-2
Macedo, Ives	2011	RT-4
Romeiro, Rafael	2015	RT-1

1. Cevolani, Juliana – VR, 2012 - 2013

- GPE / RT-3
- BEng. Std. Petroleum Eng. @ UFES (BRA)
- “Science Without Borders” scholarship (Brazilian Govt.) to spend one year in my group as VR working in RT-3 for petrophysics.
- Supv: Costa de Oliveira (UFES) / Costa Sousa
- Collab.: Mostafa (MSc) / Vital Brazil (PDF)
- 1 Publication: **Cevolani et al.** '13
- Pres. Pos.: MEng. std. @ UFES (Energy) (BRA)

2. Jorge, Joaquim – VR, 2004 - 2005

- IVC / RT-2 (primary); also worked on RT-1
- Professor, Computer Science and Engineering, Technical U. Lisbon (PRT); Head, *Visualization and Multimodal Interfaces Group*
- Sabbatical Leave, Host: Costa Sousa
- 4 Publications:
 - Cherlin *et al.* '05
 - Foster *et al.* '05
 - Olsen *et al.* '05
 - Schmidt *et al.* '05a

3. Macedo, Ives – VR, 2010 - 2011

- IVC / RT-4 (primary); also worked on RT-(1, 2)
- PhD std, IMPA (BRA)
- Supv: Costa Sousa
- 4 Publications:
 - Pereira *et al.* '11
 - Vital Brazil *et al.* ['10(a, b), '11]
- Pres. Pos.: Applied Scientist @ *Amazon Vancouver* (CAD)

4. Romeiro, Rafael – VR, 2014 - 2015

- IVC / RT-4 (primary); also worked on RT-1
- MSc std., Computer Science, UFRJ (BRA)
- Supv: Costa Sousa
- Mentors: Silva (PDF) / Vital Brazil (PDF)
- Pres. Pos.: PhD std. @ UFRJ (BRA)

3.6. TECHNICAL & ADMINISTRATIVE STAFF

4 completed

Name	Title	Yr.	RT
DeBavelaere, Charles	Tec-Stf / Soft. Eng.	2013	RT-3
Gallant, Maria	Adm-Stf / Proj Coord.	2016	-
McInnis, Jamie	Adm-Stf / Proj Mngr.	2014	-
Rebolo Medici, Patricia	Adm-Stf / Admin Assistant	2015	-

- | | |
|--|--|
| <p>1. DeBavelaere, Charles – Tec-Stf, 2004 - 2005</p> <ul style="list-style-type: none"> ➤ IVC / RT-3 ➤ Soft. Eng. Working on 3D Visualization APIs ➤ Supv: Costa Sousa ➤ Pres. Pos.: Soft. Eng. @ <i>Electronic Arts (EA) (CAD)</i> | <p>3. McInnis, Jamie – Adm-Stf, 2012 - 2014</p> <ul style="list-style-type: none"> ➤ Project Manager ➤ Supv: Chen (Chem. & Pet. Eng.) / Costa Sousa ➤ Pres. Pos.: Prj. Mngr @ <i>Reservoir Simul. Group, U. of Calgary (CAD)</i> |
| <p>2. Gallant, Maria – Adm-Stf, 2015 - 2016</p> <ul style="list-style-type: none"> ➤ Project Coordinator (IRC prgm) ➤ Supv: Costa Sousa ➤ Pres. Pos.: Operations Coordinator @ <i>Snyder Inst. for Chronic Diseases – Cumming School of Medicine - U. of Calgary (CAD)</i> | <p>4. Rebolo Medici, Patricia – Adm-Stf, 2014 - 2015</p> <ul style="list-style-type: none"> ➤ Administrative Assistant ➤ Supv: Costa Sousa |