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**SECTION 6 – PRESENTATIONS**

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## SECTION 6 – PRESENTATIONS

### 6.1. OVERVIEW & HIGHLIGHTS

Invited presentations are organized in four groups as follows (w/ total number of presentations in parenthesis):

- [1] Academic: Conferences (24)
- [2] Academic: Institutions (27)
- [3] Industry: Conferences/Technical Meetings (11)
- [4] Industry: Companies/Working Groups (19)

### 6.2. REFERENCE ENTRIES

For each reference entry below, the full citation is provided, indicating the invited presentation category, presenter(s), and other information (context of the presentation, links, etc.). Also, when applicable, each Highly Qualified Personnel (HQP, Sec. 3) presenter/author is identified with an asterisk (\*).

#### 6.2.1. 2009 – 2017 (U. of Calgary)

##### 2017 [1 entry]

1. <b>Costa Sousa '17</b>	[1] Academic: Conference
<p>Costa Sousa M. (2017).  <b>Fast &amp; Scalable Context-Aware Prototyping of Static and Dynamic Models of Subsurface Environments – A Change of Paradigm.</b>  <i>51<sup>st</sup> US Rock Mechanics, Geomechanics Symposium, Workshop on Emerging Advances in Geomechanics</i> – Session: Data Analytics.                      American Rock Mechanics Association (ARMA).                      San Francisco, CA, USA, 2017/06.</p>	<ul style="list-style-type: none"> <li>• Symp link</li> <li>• Wksp link</li> </ul>

##### 2016 [2 entries]

1. <b>Geiger et al. '16</b>	[1] Academic: Conference
<p>Geiger S, Zhang Z, Rood MP, Jackson MD, Hampson GJ, <b>Costa Sousa M</b>, Machado Silva CC*, de Carvalho F*, Silva JD.* (2016). <b>Less is More? Fast Prototyping of Reservoir Models with Dynamic Feedback.</b> <i>The Biennial Gordon Research Conference: Bridging the Gap Between Scales and Processes for Strongly Coupled Systems</i> - Flow &amp; Transport in Permeable Media. Girona, Spain, 2016/07-08.</p>	<ul style="list-style-type: none"> <li>• Presenter: Geiger</li> <li>• RRM project</li> <li>• Supv PDF (*): Costa Sousa</li> <li>• Conf link</li> </ul>
2. <b>Rood et al. '16</b>	[1] Academic: Conference
<p>Rood MP, Jackson MD, Hampson GJ, de Carvalho F*, Machado Silva CC*, <b>Costa Sousa M</b>, Zhang Z, Geiger S. (2016). <b>Logical Rules for Sketch-Based Computer Modeling of Reservoir Stratigraphy: Application to Deepwater Siliciclastic Systems.</b> <i>AAPG Annual Convention &amp; Exhibition</i> (ACE '16). Theme 1: Turbidite Facies: Channels, Fans and Event Beds (SEPM). Calgary, AB, Canada, 2016/06.</p>	<ul style="list-style-type: none"> <li>• Presenter: Rood</li> <li>• RRM project</li> <li>• Supv PDF (*): Costa Sousa</li> <li>• Conf link</li> </ul>

2015 [5 entries]

1.	<p><b>Agar et al. '15</b></p> <p>Agar S, Geiger S, Hampson GJ, <b>Costa Sousa M.</b> (2015). <b>Opportunities for Reservoir Modelling Systems, Technologies, People.</b> <i>Geological Society of London Conference – Recognising the Limits of Reservoir Modelling - and How to Overcome Them.</i> University of Aberdeen, UK, 2015/03.</p>	<p><b>[1]</b> Academic: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Agar</li> <li>• Collaborative project</li> <li>• Conf link</li> <li>• Prgm link</li> </ul>		
2.	<p><b>Costa Sousa &amp; Sharlin '15</b></p> <p><b>Costa Sousa M, Sharlin E.</b> (2015). <b>Interactive Mobile Visualization and Analytics in E, D&amp;P.</b> <i>Oil Gas Mobility Calgary Summit 2015.</i> Houston, TX, USA, 2015/10.</p>	<p><b>[3]</b> Industry: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• Collaborative project</li> <li>• Conf link</li> </ul>		
3.	<p><b>Costa Sousa '15a</b></p> <p><b>Costa Sousa M.</b> (2015a). <b>Interactive Modeling, Visualization &amp; Analytics R&amp;D for Oil/Gas E, D&amp;P.</b> <i>FEI Visualization Sciences Group (VSG).</i> Houston, TX, USA, 2015/06.</p>	<p><b>[4]</b> Industry: Company</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>		
4.	<p><b>Costa Sousa '15b</b></p> <p><b>Costa Sousa M.</b> (2015b). <b>Visual Computing Software Technologies (Interactive Modeling, Visualization &amp; Analytics) in Oil and Gas Exploration, Development and Production (E, D&amp;P).</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>(a) <i>Streamsim Technologies, Inc.</i></li> <li>(b) <i>Chevron Canada</i></li> <li>(c) <i>GE Oil &amp; Gas</i></li> <li>(d) <i>Cenovus Energy</i></li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>(e) <i>VISAGE Information Solutions</i></li> <li>(f) <i>Osprey Informatics</i></li> <li>(g) <i>Ensign Energy Services Inc.</i></li> <li>(h) <i>GLJ Petroleum Consultants.</i></li> </ul> </td> </tr> </table> <p>Calgary, AB, Canada, 2015/07-08.</p>	<ul style="list-style-type: none"> <li>(a) <i>Streamsim Technologies, Inc.</i></li> <li>(b) <i>Chevron Canada</i></li> <li>(c) <i>GE Oil &amp; Gas</i></li> <li>(d) <i>Cenovus Energy</i></li> </ul>	<ul style="list-style-type: none"> <li>(e) <i>VISAGE Information Solutions</i></li> <li>(f) <i>Osprey Informatics</i></li> <li>(g) <i>Ensign Energy Services Inc.</i></li> <li>(h) <i>GLJ Petroleum Consultants.</i></li> </ul>	<p><b>[4]</b> Industry: Company</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
<ul style="list-style-type: none"> <li>(a) <i>Streamsim Technologies, Inc.</i></li> <li>(b) <i>Chevron Canada</i></li> <li>(c) <i>GE Oil &amp; Gas</i></li> <li>(d) <i>Cenovus Energy</i></li> </ul>	<ul style="list-style-type: none"> <li>(e) <i>VISAGE Information Solutions</i></li> <li>(f) <i>Osprey Informatics</i></li> <li>(g) <i>Ensign Energy Services Inc.</i></li> <li>(h) <i>GLJ Petroleum Consultants.</i></li> </ul>			
5.	<p><b>Geiger et al. '15</b></p> <p>Geiger S, Zhang Z, Jackson M, Hampson G, Rood D, <b>Costa Sousa M,</b> Vital Brazil E*, Guimaraes L. (2015). <b>Rapid Reservoir Modelling – Efficient and Intuitive Prototyping of Geological Concepts and Reservoir Models.</b> <i>Geological Society of London Conference – Recognising the Limits of Reservoir Modelling - and How to Overcome Them.</i> University of Aberdeen, UK, 2015/03.</p>	<p><b>[1]</b> Academic Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Geiger</li> <li>• RRM project</li> <li>• Supv Vital Brazil (PDF): Costa Sousa</li> <li>• Conf link / Prgm link</li> </ul>		

2014 [6 entries]

1.	<p><b>Costa Sousa &amp; Geiger '14</b></p> <p>Costa Sousa M, Geiger S. (2014).  <b>Rapid Reservoir Modeling (RRM): Reducing Uncertainty with Interactive Prototyping of Reservoir Geology and Flow Diagnostics.</b></p> <p>(a) <i>BHP Billiton</i>                  (b) <i>Shell</i>                  (c) <i>Conoco Phillips.</i></p> <p>Houston, TX, USA, 2014.</p>	<p><b>[4]</b> Industry: Company</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa &amp; Geiger</li> <li>• RRM project</li> </ul>
2.	<p><b>Costa Sousa &amp; Sharlin '14</b></p> <p>Costa Sousa M, Sharlin E. (2014).  <b>Interactive Mobile Visual Computing in Oil and Gas Exploration, Development &amp; Production.</b>  <i>Oil &amp; Gas Mobility Summit Calgary.</i></p> <p>Calgary, AB, Canada. 2014/10.</p>	<p><b>[3]</b> Industry: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa &amp; Sharlin</li> <li>• Collaborative project</li> <li>• Conf link</li> </ul>
3.	<p><b>Costa Sousa '14a</b></p> <p>Costa Sousa M. (2014a).  <b>Scalable Visual Computing Technologies for Integrated Reservoir Modeling.</b>  <i>SEG/SPE/AAPG/SPWLA/EAGE Summer Research Workshop – Multi-Disciplinary Static and Dynamic Reservoir Modeling: Best Practices, Opportunities and Challenges.</i></p> <p>San Diego, CA, USA. 2014/08.</p>	<p><b>[1]</b> Academic: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• Conf link</li> </ul>
4.	<p><b>Costa Sousa '14b</b></p> <p>Costa Sousa M. (2014b).  <b>Visual Computing Technologies for Smart Fields.</b>  <i>Smart Fields Summit 2014</i> (The Energy Exchange).</p> <p>Houston, TX, USA. 2014/01.</p>	<p><b>[3]</b> Industry: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• Conf link</li> </ul>
5.	<p><b>Costa Sousa '14c</b></p> <p>Costa Sousa M. (2014c).  <b>Lateral Research Opportunitites on Visual Computing in Static &amp; Dynamic Geo-Modeling.</b>  <i>Disney Research.</i></p> <p>Los Angeles, CA, USA. 2014/08.</p>	<p><b>[4]</b> Industry: Company</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
6.	<p><b>Costa Sousa '14d</b></p> <p>Costa Sousa M. (2014d).  <b>Scalable, Interactive Visual Computing for Integrated Reservoir Modeling.</b>  <i>Aramco Upstream Research Center (URC).</i></p> <p>Houston, TX, USA. 2014/08.</p>	<p><b>[4]</b> Industry: Company</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>

## 2013 [5 entries]

1.	<b>Agar et al. '13</b> Agar S, Geiger S, <b>Costa Sousa M</b> , Anderson D. (2013). <b>New and Innovative Approaches in the Characterization and Modelling of the Complex Reservoirs.</b> <i>4th Reservoir Characterisation and Simulation Conference and Exhibition</i> (RCSC '13), Panel Session 1. Abu Dhabi, UAE, 2013/09.	<b>[1]</b> Academic: Conference
2.	<b>Costa Sousa '13a</b> Costa Sousa M. (2013a). <b>Visual Computing Challenges and Solutions for Smart Oil/Gas Exploration &amp; Production.</b> (a) <i>Qatar Society of Petroleum Engineers &amp; Texas A&amp;M Qatar. Petroleum Engineering.</i> Doha, Qatar, UAE. (b) <i>RasGas Company Limited.</i> Doha, Qatar, UAE. (c) <i>Pacific Institute for the Mathematical Sciences (PIMS) / Shell Lunchbox Lectures.</i> Calgary, AB, Canada. 2013/09.	<b>[2]</b> Academic: Institution / <b>[4]</b> Industry: Company
3.	<b>Costa Sousa '13b</b> Costa Sousa M. (2013b). <b>Interactive Reservoir Modeling, Visualization and Analytics in Oil/Gas E&amp;P.</b> (a) <i>UFPE – Federal Univerity of Pernambuco. Geoscience.</i> Recife. (b) <i>Petrobras / CENPES.</i> Rio de Janeiro. (c) <i>UNICAMP – State University of Campinas. Petroleum Engineering.</i> Campinas. 2013/11. Brazil. 2013/11.	<b>[2]</b> Academic: Institution / <b>[4]</b> Industry: Company
4.	<b>Costa Sousa '13c</b> Costa Sousa M. (2013c). <b>Interactive Modeling, Visualization &amp; Visual Analytics for Smart Oil/Gas Exploration &amp; Production. <i>Microseismic Industry Consortium, Industry Sponsors Meeting</i></b> (University of Calgary) Calgary, AB, Canada, 2013/06.	<b>[3]</b> Industry: Conference
5.	<b>Costa Sousa et al. '13</b> Costa Sousa M, Mello U, Campbell M. (2013). <b>Scalable Visual Analytics for Multidisciplinary Collaboration in Oil/Gas E&amp;P.</b> <i>AITF (Alberta Innovates Technology Futures) Summit 2013</i> Banff, AB, Canada, 2013/06.	<b>[1]</b> Academic: Conference

## 2012 [6 entries]

1.	<b>Amorim R et al. '12</b> Amorim R*, Mostafa AE*, Vital Brazil*, <b>Costa Sousa M</b> , Eaton D. (2012). <b>Interactive Volume Reconstruction Based on Visualization of Multi-Attribute Microseismic Events.</b> <i>Microseismic Industry Consortium, Industry Sponsors Meeting</i> (University of Calgary) Calgary, AB, Canada, 2012/02.	<b>[3]</b> Industry: Conference <ul style="list-style-type: none"> <li>• Presenter: Amorim R</li> <li>• Collaborative project</li> <li>• Supv Amorim R (PhD): Costa Sousa / Samavati</li> <li>• Supv Mostafa (MSc): Costa Sousa / Sharlin</li> <li>• Supv Vital Brazil (PDF): Costa Sousa</li> </ul>
2.	<b>Costa Sousa '12a</b> <b>Costa Sousa M.</b> (2012a). <b>Interactive Modeling, Visualization &amp; Visual Analytics Challenges in Reservoir Geoscience and Engineering.</b> <i>AAPG/SPE/SEG Hedberg Research Conference</i> – "Fundamental Controls on Flow in Carbonates". Saint-Cyr Sur Mer, Provence, France, 2012/07.	<b>[1]</b> Academic: Conference <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• Collaborative project</li> <li>• Conf link</li> </ul>
3.	<b>Costa Sousa '12b</b> <b>Costa Sousa M.</b> (2012b). <b>Interactive and Intuitive Reservoir Visualization.</b> <i>International Centre for Carbonate Reservoirs (ICCR) Bi-Annual Conference and Meeting.</i> Edinburgh, UK, 2012/07.	<b>[3]</b> Industry: Conference <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• ICCR Link</li> </ul>
4.	<b>Costa Sousa '12c</b> <b>Costa Sousa M.</b> (2012c). <b>Interactive Reservoir Modeling, Visualization and Visual Analytics.</b> <i>Alberta Minister of Energy Visit – FCMG Frank &amp; Sarah Meyer Collaboration Centre</i> University of Calgary Calgary, AB, Canada, 2012.	<b>[3]</b> Industry: Conference <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
5.	<b>Costa Sousa '12d</b> <b>Costa Sousa M.</b> (2012d). <b>Interactive Modeling, Visualization and Analytics Visual for Smart Oil/Gas Exploration &amp; Production.</b> <i>ExxonMobil Upstream Research Company (URC)</i> (three presentations for different groups) Houston, TX, USA. 2012	<b>[4]</b> Industry: Company <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
6.	<b>Costa Sousa et al. '12</b> <b>Costa Sousa M</b> , Vital Brazil E*, Somanath S*, Debavelaere C.* (2012). <b>Surface-based Rapid Reservoir Modeling of 3D Geocellular Grids.</b> <i>ExxonMobil Upstream Research Company (FC)2 Alliance Workshop.</i> Houston, TX, USA, 2012/11.	<b>[3]</b> Industry: Conference <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa, Vital Brazil, Somanath</li> <li>• Collaborative project</li> <li>• Supv Vital Brazil (PDF): Costa Sousa</li> <li>• Supv Somanath (MSc): Costa Sousa / Sharlin</li> <li>• Supv Debavelaere (SE): Costa Sousa</li> </ul>

## 2011 [6 entries]

1.	<b>Costa Sousa '11a</b>	<b>[1]</b> Academic: Conference
	Costa Sousa M. (2011a). <b>Interactive Exploratory and Scalable Modeling and Visualization for Oil/Gas Exploration and Production. 6<sup>th</sup> Brazilian Congress on Research and Development in Oil/Gas Exploration and Production</b> (PDPETRO '11), <i>ABPG – Brazilian Association of R&amp;D in Petroleum and Gas</i> . Federal University of Santa Catarina (UFSC). Florianopolis, SC, Brazil, 2011/10.	<ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• ABPG link</li> </ul>
2.	<b>Costa Sousa '11b</b>	<b>[3]</b> Industry: Conference
	Costa Sousa M. (2011b). <b>Visualization Challenges in Highly Heterogeneous Reservoirs. International Centre for Carbonate Reservoirs (ICCR) Bi-Annual Conference and Meeting.</b> Mallorca, Spain, 2011/12	<ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• ICCR Link</li> </ul>
3.	<b>Costa Sousa '11c</b>	<b>[3]</b> Industry: Conference
	Costa Sousa M. (2011c). <b>Interactive, Scalable Reservoir Modeling and Visualization. Petrobras / SIGER Research Network Scientific Meeting.</b> Petropolis, RJ, Brazil, 2011/07.	<ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
4.	<b>Costa Sousa '11d</b>	<b>[4]</b> Industry: Company
	Costa Sousa M. (2011d). <b>Interactive and Integrated Modeling, Visualization and Analysis for Smart Oil/Gas Exploratron and Production. IBM Research Brazil – Smarter Natural Resource Discovery Group.</b> Rio de Janeiro, RJ, Brazil, 2011/09.	<ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
5.	<b>Costa Sousa '11e</b>	<b>[2]</b> Academic: Institution
	Costa Sousa M. (2011e). <b>Interactive Modeling and Visualization in Reservoir Geoscience and Engineering.</b> <b>(a) The University of Tokyo.</b> <i>Computer Science.</i> Tokyo, Japan, 2011/11. <b>(b) Tohoku University.</b> <i>Computer Science.</i> Sendai, Japan, 2011/11. <b>(c) USP-SC – University of Sao Paulo, Sao Carlos.</b> <i>Computer Science.</i> Sao Carlos, SP, Brazil, 2011/12. <b>(d) UFRN – Federal University of Rio Grande do Norte.</b> <i>Geology.</i> Natal, RN, Brazil, 2011/12.	<ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
6.	<b>Costa Sousa &amp; Campbell '11</b>	<b>[1]</b> Academic: Conference
	Costa Sousa M, Campbell M. (2011). <b>Visual Analytics Challenges in Oil/Gas E&amp;P Workflows. Banff Visual Analytics Summit.</b> Banff, AB, Canada, 2011/09.	<ul style="list-style-type: none"> <li>• Presenter: Costa Sousa &amp; Campbell</li> </ul>

## 2010 [2 entries]

1.	<b>Costa Sousa '10a</b> Costa Sousa M. (2010a). <b>Illustrative Modeling: from Concept to Completion. <i>University of Bergen. Computer Science.</i></b> Bergen, Norway, 2010.	<b>[2] Academic: Institution</b> • Presenter: Costa Sousa
2.	<b>Costa Sousa '10b</b> Costa Sousa M. (2010b). <b>Scalable Visualization in Oil/Gas Reservoir Exploration &amp; Production. <i>Simon Fraser University. GrUVi Lab, School of Computer Science.</i></b> Burnaby, BC, Canada, 2010.	<b>[2] Academic: Institution</b> • Presenter: Costa Sousa

## 2009 [3 entries]

1.	<b>Costa Sousa '09a</b> Costa Sousa M. (2009a). <b>Scalable Exploratory Illustrative Reservoir Visualization. <i>First Interdisciplinary Gathering on Illustrative Visualization (ILLUSTRAVIS '09), University of Bergen.</i></b> Bergen, Norway, 2009/06.	<b>[1] Academic: Conference</b> • Presenter: Costa Sousa • Conf link • Present link
2.	<b>Costa Sousa '09b</b> Costa Sousa M. (2009b). <b>Scalable Reservoir Visualization.</b> (a) <b><i>PUC-Rio. Computer Science.</i></b> Rio de Janeiro (b) <b><i>Petrobras.</i></b> Rio de Janeiro (c) <b><i>IMPA – National Institute of Pure and Applied Mathematics.</i></b> Rio de Janeiro (d) <b><i>UFRGS – Federal University of Rio Grande do Sul.</i></b> <i>Computer Science.</i> Porto Alegre (e) <b><i>UFSC – Federal University of Santa Catarina.</i></b> <i>Computer Science.</i> Florianopolis Brazil, 2009.	<b>[2] Academic: Institution / [4] Industry: Company</b> • Presenter: Costa Sousa
3.	<b>Costa Sousa '09c</b> Costa Sousa M. (2009c). <b>Scalable Reservoir Visualization. <i>Foundation CMG Quarterly Meeting.</i></b> Calgary, AB, Canada, 2009.	<b>[3] Industry: Conference</b> • Presenter: Costa Sousa



## 6.2.2. 2001 – 2008 (U. of Calgary)

## 2008 [2 entries]

1.	<p><b>Costa Sousa '08a</b></p> <p>Costa Sousa M. (2008a). <b>Interactive Illustrative Visualization in Science and Medicine.</b>  <b>(a) UFPE – Federal University of Pernambuco.</b>  <i>Computer Science.</i> Recife.  <b>(b) UFRGS – Federal University of Rio Grande do Sul.</b>  <i>Computer Science.</i> Porto Alegre          Brazil, 2008.</p>	<p><b>[2]</b> Academic: Institution</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
2.	<p><b>Costa Sousa '08b</b></p> <p>Costa Sousa M. (2008b).  <b>Sketch-based Interface and Modeling for Scientific Applications.</b>  <i>Technical University of Lisbon.</i>          Lisbon, Portugal, 2008.</p>	<p><b>[2]</b> Academic: Institution</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>

## 2007 [3 entries]

1.	<p><b>Costa Sousa '07a</b></p> <p>Costa Sousa M. (2007a).  <b>Interactive Illustrative Visualization in Science and Medicine.</b>  <i>Vienna University of Technology.</i>          Vienna, Austria, 2007.</p>	<p><b>[2]</b> Academic: Institution</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
2.	<p><b>Costa Sousa '07b</b></p> <p>Costa Sousa M. (2007b).  <b>Exploratory Illustrative Visualization.</b>  <i>Purdue University.</i>          West Lafayette, IN, USA, 2007.</p>	<p><b>[2]</b> Academic: Institution</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
3.	<p><b>Costa Sousa '07c</b></p> <p>Costa Sousa M. (2007c).  <b>Research Topics in Illustrative Visualization.</b>  <i>University of Victoria.</i>          Victoria, BC, Canada, 2007.</p>	<p><b>[2]</b> Academic: Institution</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>

## 2006 [5 entries]

1.	<p><b>Costa Sousa '06a</b></p> <p>Costa Sousa M. (2006a).  <b>Illustrative Visualization: Overview and Research Challenges.</b>  <i>IMPA – National Pure and Applied Mathematics Institute.</i>          Rio de Janeiro, RJ, Brazil, 2006.</p>	<p><b>[2]</b> Academic: Institution</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
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2.	<b>Costa Sousa '06b</b> Costa Sousa M. (2006b). <b>Sketch-based Interfaces and Modeling.</b> <i>IMPA – National Pure and Applied Mathematics Institute.</i> Rio de Janeiro, RJ, Brazil, 2006.	<b>[2]</b> Academic: Institution • Presenter: Costa Sousa
3.	<b>Costa Sousa '06c</b> Costa Sousa M. (2006c). <b>Contextual Close-up View for Illustrative Volume Visualization.</b> <i>IMPA – National Pure and Applied Mathematics Institute.</i> Rio de Janeiro, RJ, Brazil, 2006.	<b>[2]</b> Academic: Institution • Presenter: Costa Sousa
4.	<b>Costa Sousa '06d</b> Costa Sousa M. (2006d). <b>Illustrative Visualization Framework.</b> <i>Tecgraf / PUC-Rio.</i> Rio de Janeiro, RJ, Brazil, 2006.	<b>[2]</b> Academic: Institution • Presenter: Costa Sousa
5.	<b>Costa Sousa '06e</b> Costa Sousa M. (2006e). <b>Interactive Volume Exploration and Visualization.</b> <i>Petrobras.</i> Rio de Janeiro, RJ, Brazil, 2006.	<b>[4]</b> Industry: Company • Presenter: Costa Sousa

<b>2005</b> [6 entries]
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1.	<b>Costa Sousa '05a</b> Costa Sousa M. (2005a). <b>Non-Photorealistic Rendering (NPR) - Applied Research for the Medical Illustrator.</b> <i>Association of Medical Illustrators (AMI), 60th Annual Conference.</i> Thousand Oaks, CA, USA, 2005/08.	<b>[1]</b> Academic: Conference • Presenter: Costa Sousa • Conf link
2.	<b>Costa Sousa '05b</b> Costa Sousa M. (2005b). <b>Collaboration between Computer Graphics/NPR and the Medical Illustrator.</b> <i>Association of Medical Illustrators (AMI), 60th Annual Conference.</i> Thousand Oaks, CA, USA, 2005/08.	<b>[1]</b> Academic: Conference • Presenter: Costa Sousa • Conf link
3.	<b>Costa Sousa '05c</b> Costa Sousa M. (2005c). <b>Computer Assisted Traditional Illustration.</b> <i>The Guild of Natural Science Illustrators (GNSI), 2005 Annual Conference.</i> Bar Harbor, ME, USA, 2005/08.	<b>[1]</b> Academic: Conference • Presenter: Costa Sousa • Conf link
4.	<b>Costa Sousa '05d</b> Costa Sousa M. (2005d). <b>Non-Traditional Science Visualization.</b> <i>The Guild of Natural Science Illustrators (GNSI), 2005 Annual Conference.</i> Bar Harbor, ME, USA, 2005/08.	<b>[1]</b> Academic: Conference • Presenter: Costa Sousa • Conf link

5.	<b>Costa Sousa '05e</b>  Costa Sousa M. (2005e). <b>Computer Tools for the Science Illustrator - What do you Need?</b> <i>The Guild of Natural Science Illustrators (GNSI), 2005 Annual Conference.</i> Bar Harbor, ME, USA, 2005/08.	<b>[1]</b> Academic: Conference  <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• Conf link</li> </ul>
6.	<b>Costa Sousa '05f</b>  Costa Sousa M. (2005f). <b>Impacts of Computer Science on Medicine.</b> <i>Netera Days – Multi-disciplinary sessions on the theme "Exploring New Tools for Research".</i> University of Calgary. Calgary, AB, Canada, 2005/10.	<b>[1]</b> Academic: Conference  <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• Conf announc. link</li> </ul>

**2003** [4 entries]

1.	<b>Costa Sousa '03a</b>  Costa Sousa M. (2003a). <b>Computer Graphics as an Interpretive and Expressive Medium.</b> <i>16e Journées de l'Association Française d'Informatique Graphique.</i> <i>1ère Journées du Chapitre Français de Eurographics.</i> Paris, France, 2003.	<b>[1]</b> Academic: Conference  <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
2.	<b>Costa Sousa '03b</b>  Costa Sousa M. (2003b). <b>Non-Photorealistic Rendering.</b> <i>Université Paris 8. Dépt. Informatique.</i> Paris, France, 2003.	<b>[2]</b> Academic: Institution  <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
3.	<b>Costa Sousa '03c</b>  Costa Sousa M. (2003c). <b>Depicting Shape Features with Modeling and Non-Photorealistic Rendering.</b> <i>Technical University of Lisbon.</i> Lisbon, Portugal, 2003.	<b>[2]</b> Academic: Institution  <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>
4.	<b>Costa Sousa '03d</b>  Costa Sousa M. (2003d). <b>Fast Extraction of Feature Edges in Non-Photorealistic Rendering.</b> <i>Free University of Berlin. Institute of Computer Science.</i> Berlin, Germany, 2003.	<b>[2]</b> Academic: Institution  <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> </ul>

**2002** [1 entry]

1.	<b>Costa Sousa '02</b>  Costa Sousa M. (2002). <b>Interpretive Rendering: Abstraction and Depiction of 3D Shape Features.</b> <i>Quintessence: The Clumpy Matter of Art, Math and Science Visualization.</i> <i>The Banff Centre.</i> Banff, AB, Canada, 2002.	<b>[1]</b> Academic: Conference  <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• My first invited presentation after joining the U. of Calgary in 2001.</li> </ul>
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## 6.2.3. 1990 – 2000 (BSc, MSc, PhD)

## 1990 – 1999 [6 entries]

1.	<p><b>Costa Sousa '99</b></p> <p>Costa Sousa M. (1999).  <b>Computer-Generated Graphite Pencil Rendering.</b>  <i>University of Calgary. Department of Computer Science Seminar.</i>          Calgary, AB, Canada, 1999</p>	<p><b>[2]</b> Academic: Institution</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• My PhD thesis</li> </ul>
2.	<p><b>Costa Sousa '94a</b></p> <p>Costa Sousa M. (1994a).  <b>3D Interactive Scientific Data Analysis and Visualization of Petroleum Reservoir Numerical Simulation.</b>  <i>University of Waterloo. Department of Computer Science – Scientific Computation Seminar.</i>          Waterloo, ON, Canada, 1994.</p>	<p><b>[2]</b> Academic: Institution</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• My MSc thesis</li> </ul>
3.	<p><b>Costa Sousa '94b</b></p> <p>Costa Sousa M. (1994b).  <b>3D Petroleum Reservoir Visualization from Numerical Simulations.</b>  <i>4<sup>th</sup> IBM Meeting on Computing Science Technology and Scientific Visualization: Systems and Applications.</i>          Rio de Janeiro, RJ, Brazil, 1994.</p>	<p><b>[3]</b> Industry: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• My MSc thesis</li> </ul>
4.	<p><b>Costa Sousa '93</b></p> <p>Costa Sousa M. (1993).  <b>3D Visualization System to Reservoir Simulation Post-Processing.</b>  <i>First Petrobras Congress on Informatics and Teleprocessing.</i>          Rio de Janeiro, RJ, Brazil, 1993</p>	<p><b>[3]</b> Industry: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• My MSc thesis</li> </ul>
5.	<p><b>Costa Sousa '92</b></p> <p>Costa Sousa M. (1992).  <b>X Windows System and Graphical Interfaces to UNIX.</b>  <i>6<sup>th</sup> CISTI - Intl Congress for Software, Telematics and Information Technology.</i>          Sao Paulo, SP, Brazil, 1992.</p>	<p><b>[1]</b> Academic: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• My work at CompuSystems</li> </ul>
6.	<p><b>Costa Sousa '90</b></p> <p>Costa Sousa M. (1990).  <b>X Windows: Graphical Interface Standard.</b>  <i>UNIXENIX '90 - SCO/UNIMAX Second Forum of Products and Services.</i>          Sao Paulo, SP, Brazil, 1990.</p>	<p><b>[3]</b> Industry: Conference</p> <ul style="list-style-type: none"> <li>• Presenter: Costa Sousa</li> <li>• My work at CompuSystems</li> </ul>