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|  208 Joseph-Carrier, Vaudreuil-Dorion, QC J7V 5V5 | Document No.: NMY-0004 | Revision: 1.0 | Date of Issue: 2016/12/02 |
| | Prepared/Revised By: Lionel Wolniewicz | | Approved by: Ievgeniia Morozova |
| Document Title: SIMULATION APPLICATION EVALUATION FORM | | | Page: 1...of...1 |

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|-------|--|-----------------|--|
| Name | | Company Address | |
| Title | | | |
| Phone | | Email | |

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|--|---|-------------|--|
| Nexus Quote | | Customer PO | |
| Application type | <input type="checkbox"/> NDT/Engineering <input type="checkbox"/> Geoscience <input type="checkbox"/> Material science <input type="checkbox"/> Life science | | |
| Application | <input type="checkbox"/> Composites <input type="checkbox"/> Electrochemistry <input type="checkbox"/> Filtration <input type="checkbox"/> Oil and Gas <input type="checkbox"/> Personal Care <input type="checkbox"/> Weaves and Paper | | |
| Application description & Research objective | | | |

| Pre-Process Material Model | | | |
|----------------------------|--|--|--|
| 3D data origin | <input type="checkbox"/> FIB-SEM <input type="checkbox"/> CT <input type="checkbox"/> Industrial 3D model | <input type="checkbox"/> Other imaging equipment <input type="checkbox"/> none -----Require----- <input type="checkbox"/> 3D structure editing <input type="checkbox"/> CT scanning | |

| Model, Design and Optimize Material | |
|---|--|
| <input type="checkbox"/> FiberGeo (Fibrous porous and composite models) <input type="checkbox"/> WeaveGeo (Metal wire and plastic meshes, woven textile models) <input type="checkbox"/> PackGeo (Random dense sphere packings) <input type="checkbox"/> GridGeo (Periodic patterns of spheres, cylinders and holes) | <input type="checkbox"/> GrainGeo (Sintered and piled model) <input type="checkbox"/> PaperGeo (Paper model) <input type="checkbox"/> PleatGeo (Pleats of filter media) <input type="checkbox"/> FoamGeo (Closed and opened cell foams) |

| Discover and Understand Material | |
|---|--|
| <input type="checkbox"/> DiffuDict (Tortuosity and effective diffusivity) <input type="checkbox"/> ConductoDict (Thermal and electrical conductivity) <input type="checkbox"/> FilterDict (Filtration processes) <input type="checkbox"/> MatDict (Material analysis in porous media and composites) <input type="checkbox"/> AcoustoDict (acoustic models) <input type="checkbox"/> FiberGuess (Fiber orientation analysis) | <input type="checkbox"/> FlowDict (Pressure, resistivity and permeability for fluids) <input type="checkbox"/> ElastoDict (Mechanical properties and deformations) <input type="checkbox"/> SatuDict (Saturation in porous media) <input type="checkbox"/> PoroDict (Pore space characteristics) <input type="checkbox"/> AddiDict (Particle transport in porous medial) |

| Post-Process Material Model | | |
|--|--|--|
| <input type="checkbox"/> Fluent (.jou and .mesh files) | <input type="checkbox"/> Abaqus (.inp files) | <input type="checkbox"/> CAD (.stl and .wrl files) |

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| Comments | |
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| By | | Date | |
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