1. Copy ALL dll files from this **system** folder into your **C:\windows\system** folder
2. Put the segmentation file in the same directory as Mesher
3. Name the input segmentation file as **input.inr** (!!! Other names are not supported currently so it has to be **input.inr**)
4. Input parameters into **input.txt** file according the meshing criteria. Do not change the positions of the words, just change the numbers, format of the input.txt must be always the same. Input.txt must be in the same directory as Mesher.

**The criteria for surface facets are governed by the four following parameters:**

***Facet angle.*** This parameter controls the shape of surface facets. Actually, it is a lower bound for the angle (in degree) of surface facets. When boundary surfaces are smooth, the termination of the meshing process is guaranteed if the angular bound is at most 30 degrees.

***Facet size***. This parameter controls the size of surface facets. Actually, each surface facet has a surface Delaunay ball which is a ball circumscribing the surface facet and centered on the surface patch.

***Facet distance***. This parameter controls the approximation error of boundary and subdivision surfaces. Actually, it is either a constant or a spatially variable scalar field. It provides an upper bound for the distance between the circumcenter of a surface facet and the center of a surface Delaunay ball of this facet.

**The criteria for mesh cells are governed by three parameters:**

***Cell radius edge ratio***. This parameter controls the shape of mesh cells (but can't filter slivers, as we discussed earlier). Actually, it is an upper bound for the ratio between the circumradius of a mesh tetrahedron and its shortest edge. There is a theoretical bound for this parameter: the Delaunay refinement process is guaranteed to terminate for values of cell\_radius\_edge\_ratio bigger than 2.

***Cell fine size.*** This parameter controls the size of mesh tetrahedra close to the edge and electrodes. It provides an upper bound on the circumradii of the mesh tetrahedra.

***Cell coarse size.*** This parameter controls the size of mesh tetrahedra close to the centre of the model where Jacobian is almost zero. Same as previous, it provides an upper bound on the circumradii of the mesh tetrahedra.

1. Save the **input.txt,** and run the Mesher, it should display some messages following by press any key message. Press it, and finally produce out.mesh in the same folder.
2. Use matlab **readCGAL.m** for importing the mesh into matlab. See comments in the file for instructions.