What's New In SKILLCAD V4.1F

http://skillcad.com/download_tool.html

- **New Functions**

  1) Pattern Placer (Beta, may require a separate license in future)
     (SKILLCAD->place->Pattern Placer)
     GUI based device placement function.

  2) MeshBus(Icon: Create Slot Holes)
     Create Slot bus with all path/pathSeg objs.

  3) Taper Connect (Icon: vEditor)
     Connect two group of bus directly from the ending points.

  4) Sync Window View (icon:Kits)
     To synchronize the zoom area of two Windows (to compare the difference)

  5) Copy from Background View (icon:Kits)
     To copy shapes from the background view.

  6) Density Check for local area (Icon: Fill Dummy)

  7) MultiColor Functions.

     QuickColor: assign/change metal color tone
     NanoJumper: Create Wire and meanwhile coloring.

  8) Round Corner (icon: vEditor)
     Convert 90 corner to round corner

- **Enhancements and bug fix**
  1) Improved the following commands to work in Edit-in-place mode:
     Create Arc Shapes, EdgeGrow,MeshBus, nanoJumper,quickColor,
     twistedBus

  2) Chop Corner (Icon: vEditor)
     Improved to work on corners of pathSegs (wires)

  3) FreeJumper
     Improved the alignment feature when starting from a narrow pin placed on an instance
     (pin is narrower than the width the wire/path in a instance).

  4) QuickLabel
     Create Labels/pins from VXL netNames in line mode, now gave a warning if the shape
     underneath having no VXL connectivity instead of aborting the command.

  5) Create Via
     Avoid the error message when using uniVia in IC6.

6) SegJumper
Improved via alignment to accommodate metal ending spacing rule in "Alternative via mode"

7) Line Distance (icon: Kits)
Fixed bug when the line crossing more then 3-edges
Improved the display for parallel lines.
Option to control the result color

8) stepRouter(icon: pathRouer busRouter)
Removed the warning message when using a metal with big minimum width on a narrow wire.

9) BusConnect(Icon vEditor)
Allowed different number of starting/ending paths when connecting by order.
Also enabled this different number in any angle mode
Auto rotate via to avoid DRC/short if possible.

10) Convert uniVia to stdVia (SKILLCAD->uniVia-> uniVia=>stdVia)
Improved to handle multiple rule categories.

11) Chop Array (icon: Kits)
Allowed chop-regions defined by multiple shapes on different layers.

12) rSolver(SKILLCAD->rSolver)
Added temperature option
Improved the Gui and sheet resistance setup interface

13) GateCont (Icon: vEditor)
Improved the match endCap behavior and draw the poly connection from diffusion edge.
Added options to select gate by index

14) Setup (SKILLCAD ->setup)
"Get basic Initial setup from Virtuoso techfile": Improved the priority to get the routing metal layers. First from layerFuctions, then prRoutingLayers.
Added "Extend via metal to pathWidth" option
Added new fields for MultiColor in advanced technology node.

15) TwistedBus/vSwapper (Icon: SKILLCAD Plus)
Added more options to control swaps at corner, using pathSeg, and multiple swaps using vSwapper.

16) FreeJumper/busJumper (icon: FreeJumper/busJumper)
Added "Extend via metal to pathWidth" option

17) Fill Via (Icon: FillVia)
Fixed the problem in non-Manhattan polygon area.

18) Fixed Warning Message related to sbaLib
19) Improved handling figGroup in vEditor functions