ODEON 17.14

Fixes
1) Misc. cosmetic changes to feedback forms for the calibration of strength measurements.
2) Transmission through walls when material 1 (100% was used).
3) Define room acoustics parameters: formulae were not displayed correctly when the dialog was not in edit mode (+).

ODEON 17.13

Fixes
1) *Source group editor*: It was not possible to enter values less than 0 in the X, Y and Z fields of the "Reference point for coordinate manipulations" and "New reference point".
2) *3DOpenGL*: When accessed from within the "Point Source editor" the orientation of the eye point was wrong when an Omni source was selected - usually looking downwards.
3) Warning for making parametric file compatible with SketchUp has been removed when importing a new geometry, because there is no risk in losing any changes in the model.

ODEON 17.12

Fixes
1) *3DBilliard*: Correct display of transparency and transmission when "Show absorption" is enabled.
2) *Source group editor*: Issues processing multiple sources.
3) *Source editors*: Some calculated data was not always displayed (source power, SPL at 10 metres...).

ODEON 17.11

Fixes
1) Rare issue in *Point response* calculations.
2) Issues in *3DGrid fractiles* chart.
3) *Source group editor* - special cases occasionally resulted in changes applied multiple times for some sources.
4) *Source group editor* - default coordinate for Y coordinates was by default 0.03. This has been corrected to 0.00 (in 3 places).
5) *ODEON Editor* - highlighting row (and sometimes column) with error - collapsing and expanding code blocks is working again.
6) Fixes in *Make .par file (and model) compatible with Sketchup*. Note that this tool may also be used in order to enhance/fix files that have been imported from SketchUp - especially if the files have been initially imported into Sketchup as DXF or DWG files. In such case, SketchUp can sometimes contain warped surfaces, that lead to lost rays in ODEON.
7) Statistics for multiple measurements (which should be shown when no room is loaded) sometimes failed.
8) Fixes in the display of Spectrogram when loading an impulse response.

Enhancements
1) *3DGrid* displaying coordinates for selected receiver in user-defined unit rather than always in metres.

2) *Define grid* display | *3DGrid-define grid*. Allow defining discrete receivers, point sources and array sources using shortcuts SHIFT+P, R, A.
3) *Material list*, *Edit a material* and *Material calculator* has been made more responsive.
4) Reading of grid colour scales files (.clr files) has been improved, giving better error messages - plus allowing labels to be positioned by "PerCent" as well as "PerValue".
5) Changed order of tabs in *Estimate source power* display.

ODEON 17.04

Fixes

1) The 'File|Make .par file (and model) compatible with SketchUp has been enhanced. The tool also fixes surfaces with self-crossings (e.g. butterfly surfaces that which are not allowed by SketchUp).
2) A fix related to import of .3ds files.
3) STIPA update including auditory masking according to 2011 standard.
4) STI(male) and STI(female) - fixed/enhanced octave band filtering.
5) Column header check boxes in the Joblist fixed (did not work).
6) Measurement system. Exclusive mode disabled for output devices no matter the Windows setting, as Exclusive mode causes the level slider (Windows) to malfunction (the output level being at maximum no matter the slider position).
7) G(average,early,late, LjAverage) corrected all. All room acoustics parameters using calibrated values have now G_OffSet added - G's may be wrong in in existing Room Acoustics Parameter Lists (RAP) - the RAP needs updating to include G_offset - use the factory defaults button in the RAP.
8) Misc. typos corrected.

ODEON 17.03

Fixes

1) Array loudspeaker editor and Array loudspeaker calculation (Auditorium/Combined).
2) Rooms failing to open first time when activated upon export from within Sketchup.
3) .OdeonZipArchive failing to unpack in the special case where files in the archive has been write protected.
4) Two fixes to the Define Grid dialog.
5) Text alignment when copying text from the energy parameters tab sheet in the multi point response and pasting into Excel (ISO 3382-3 parameters).
6) Ray tracing issue for Transmission calculations in outdoor calculations.

ODEON 17.02

Fixes

1) Misc. cosmetic fixes in Single Point response display (Auditorium/Combined).
2) Deleting multiple receivers did not always update the receiver list and 3D Edit Source Receivers correctly.

Enhancements

1) Schröder frequency calculated in the Quick Estimate dialog.

ODEON 17.01

Fixes

1) 3D OpenGL appeared shaded in one side of 3D models on some PC's e.g. HP Elitebook.
2) Multi point ISO382-3 - the default number of decimals in results has been changed from 2 to 1 decimals.
3) The M-shortcut (toggle between simulations and measurements) in Multi point response results display did not work properly.
4) Intel Performance Primitives - IPP has been updated to latest version - this means faster execution on the newest CPU's (Odeon Auditorium and Combined).

Enhancements

1) When using the "Make Sketchup compatible" option in Odeon 17 the file name is put onto the Windows clipboard - then in the Sketchup import it can be pasted into the open dialog in the Import - simply paste file name in file dialog to select the room and when saving the new imported room paste the name into the save dialog. This option is particular useful if using SketchUp 8 which cannot remember the name of the imported room when saving the new room model.