15 Dec 2019:

1. Complex value of inequality constraint of problem RC22 and RC26 are fixed.
2. Variables of problem RC30 is refined.
3. Problem definition of problem RC44 is added in technical report.
4. Some typo error is fixed in technical report.

27 Nov 2019:

Discrepancies in the Max\_FEs are fixed.

16 Nov 2019 (based on feedback from Doğan Aydın [dogan.aydin@dpu.edu.tr](mailto:dogan.aydin@dpu.edu.tr))

“2.3.4. Pressure vessel design", it says that x\_1 and x\_2 should be between 1 and 99. But in the original definition of the problem, x\_1 and x\_2 are discrete values which are integer multiples of 0.0625 inch. Therefore x\_1 and x\_2 should be between 1\*0.0625 and 99\*0.0625. Because of this constraint, the proven optimum value of the problem is 6059.714335048436 at X= (0.8125, 0.4375, 42.0984455958549, 176.6365958424394).”