WHAT IS CLAIMED IS:

1. An expandable metal centralizer for use in a wellbore, comprising:

a downhole tubular positionable on a downhole conveyance in a wellbore; and

one or more wellbore centralizing elements radially extending from the downhole tubular, wherein at least one of the downhole tubular or the one or more wellbore centralizing elements comprises a metal configured to expand in response to hydrolysis.

2. The expandable metal centralizer as recited in Claim 1, wherein the downhole tubular comprises a metal configured to expand in response to hydrolysis and the one or more wellbore centralizing elements do not comprise a metal configured to expand in response to hydrolysis.

3. The expandable metal centralizer as recited in Claim 1, wherein the one or more wellbore centralizing elements comprise a metal configured to expand in response to hydrolysis and the downhole tubular does not comprise a metal configured to expand in response to hydrolysis.

4. The expandable metal centralizer as recited in Claim 1, wherein the downhole tubular comprises a first metal configured to expand in response to hydrolysis and the one or more wellbore centralizing elements comprise a second metal configured to expand in response to hydrolysis, or optionally wherein the first metal and the second metal are different metals configured to expand at different rates in response to hydrolysis, or optionally wherein the first metal and the second metal are the same metal configured to expand at a same rate in response to hydrolysis, or optionally wherein the one or more wellbore centralizing elements are integrally formed with the downhole tubular.

5. The expandable metal centralizer as recited in Claim 1, wherein the one or more wellbore centralizing elements are three or more wellbore centralizing elements, or optionally wherein the three or more wellbore centralizing elements are substantially equally radially spaced about the downhole tubular, or optionally wherein the three or more wellbore centralizing elements extend along a length (L) of the downhole tubular, or optionally wherein central axes of the three or more wellbore centralizing elements are substantially parallel to a central axis of the downhole tubular, or optionally wherein the three or more wellbore centralizing elements spiral around the downhole tubular.

6. The expandable metal centralizer as recited in Claim 1, wherein the downhole tubular includes two segments that connect with respect to each other to form a tubular.

7. The expandable metal centralizer as recited in Claim 1, wherein the downhole tubular further includes one or more openings extending entirely through a wall thickness thereof for accepting a fastener for fixing the downhole tubular to the downhole conveyance, or optionally wherein the one or more openings are one or more threaded openings having one or more set screws therein for fixing the downhole tubular to the downhole conveyance.

8. The expandable metal centralizer as recited in Claim 1, further including a pair of retaining rings positioned adjacent a proximal end and a distal end of the downhole tubular for axially fixing the downhole tubular on the downhole conveyance, , or optionally wherein each of the pair of retaining rings includes one or more threaded openings having one or more set screws therein for axially fixing the downhole tubular to the downhole conveyance, or optionally wherein the pair of retaining rings allows the downhole tubular to spin about the downhole conveyance, or optionally wherein the pair of retaining rings does not comprise the metal configured to expand in response to hydrolysis.

9. The expandable metal centralizer as recited in Claim 1, wherein the one or more wellbore centralizing elements radially extending from the downhole tubular is a single wellbore centralizing element that extends from and spirals at least 270 degrees around the downhole tubular.

10. The expandable metal centralizer as recited in Claim 1, wherein the one or more wellbore centralizing elements radially extending from the downhole tubular are six or more nubs radially extending from and longitudinally spaced about the downhole tubular.

11. The expandable metal centralizer as recited in Claim 1, wherein the one or more wellbore centralizing elements radially extending from the downhole tubular are six or more teeth extending from the downhole tubular.

12. The expandable metal centralizer as recited in Claim 1, wherein the downhole tubular is a first downhole tubular, the one or more wellbore centralizing elements are one or more first wellbore centralizing elements, and the metal is a first metal, and further including:

a second downhole tubular positionable on the downhole conveyance in the wellbore; and

one or more second wellbore centralizing elements radially extending from the downhole tubular, wherein at least one of the second downhole tubular or the one or more second wellbore centralizing elements comprises a second metal configured to expand in response to hydrolysis.

13. The expandable metal centralizer as recited in Claim 1, wherein the downhole tubular is a first downhole tubular, and further including a second downhole tubular, and further wherein the one or more wellbore centralizing elements are one or more bow spring elements extending between the first and second downhole tubulars.

14. A well system, comprising:

a wellbore positioned within a subterranean formation;

a downhole conveyance located within the wellbore; and

an expandable metal centralizer coupled to the downhole conveyance, the expandable metal centralizer including;

a downhole tubular positioned on the downhole conveyance; and

one or more wellbore centralizing elements radially extending from the downhole tubular, wherein at least one of the downhole tubular or the one or more wellbore centralizing elements comprises a metal configured to expand in response to hydrolysis.

15. A method for centralizing a downhole conveyance, the method comprising:

positioning a downhole conveyance at a desired location within wellbore casing located within a wellbore of a subterranean formation, the downhole conveyance having an pre-expansion expandable metal centralizer coupled thereto, the pre-expansion expandable metal centralizer including;

a downhole tubular positioned on the downhole conveyance; and

one or more wellbore centralizing elements radially extending from the downhole tubular, wherein at least one of the downhole tubular or the one or more wellbore centralizing elements comprises a metal configured to expand in response to hydrolysis; and

subjecting the pre-expansion expandable metal centralizer to a wellbore fluid to expand the metal into contact with the wellbore casing.