

# *JES Classics* **REDUX** **ECS Science at Its Best**

**by Krishnan Rajeshwar**

The term “redux” in literary or artistic circles strictly pertains to the restoration of previously unused material or a new interpretation of an existing work. It has since been used by movie makers and music producers (think remixing of tracks in a recording). For example, Francis Ford Coppola re-edited and re-released his classic 1979 movie *Apocalypse Now* in 2001, calling it, *Apocalypse Now Redux*.

I am now exercising considerable journalistic license here to use this term to bring back a successful experiment that began in this magazine in spring 2009. In that particular issue of *Interface*, we featured a series of commentaries by the members of various technical Divisions of the Society on articles drawn from the Society’s flagship *Journal of The Electrochemical Society* (JES). These perspectives were designed to highlight how a given (very often highly-cited, but not always—see below) JES article had an impact on the technical activities of a group of scientists and engineers. The Divisions featured then were Battery, Dielectric Science & Technology, High Temperature Materials, Industrial Electrochemistry & Electrochemical Engineering, Physical & Analytical Electrochemistry, and Sensor.

In this follow-up issue of the magazine celebrating the contributions of ECS members, we present a further series, of seven articles by authors drawn from the remaining Divisions: Corrosion; Electrodeposition;

Electronics and Photonics (EPD); Energy Technology; Fullerenes, Nanotubes, and Carbon Nanostructures; Luminescence and Display Materials; and Organic and Biological Electrochemistry (OBE). It is worth noting that heavy citation was a necessary but not sufficient criterion for selection of a given JES “classic” paper. Thus in the EPD case, the most frequently cited (in a list of the top 100, see *Interface* Vol. 18, p. 33, 2009) is the paper by A. Ishizaka and Y. Shiraki entitled “Low Temperature Surface Cleaning of Silicon and Its Application to Silicon MBE” [*J. Electrochem. Soc.*, **133**, 666 (1986)]. However, this was not the paper cited for commentary for reasons eloquently stated by the author, Jerzy Ruzyllo. Similarly the Wawzonek paper selected by OBE does not even appear in the list of the 100 most frequently cited papers in JES. Again this anomaly is resolved by Al Fry in his perspective.

As in the spring 2009 case, the original JES classics featured in the present issue of the magazine have had a tremendous impact on the activities of a given technical community in electrochemistry or solid-state science/technology. The Society can justifiably be proud of the achievements of its members; read on and enjoy.

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