

Resin Wafer Technology Receives FLC Award



Argonne received a Federal Laboratory Consortium (FLC) Award for Excellence in Technology Transfer for a separations technology that improves the processing of biomass-based feedstocks into biofuels and chemicals. The FLC award recognizes employees and their commercial partners who accomplish outstanding work in the process of transferring a technology developed by a federal laboratory.

Biochemical engineer Seth Snyder and his team developed the innovative resin wafer electrodeionization technology. Use of this technology will significantly reduce the cost of producing clean energy and the costs of chemicals and water used in industry. Resin wafers allow for the deionizing or the continuous removal of charged products and eliminate the need to add neutralizing agents.

Argonne licensed the technology to Nalco Company in Naperville, Ill. Archer Daniels Midland will be one of the first end users of the separations technology. The three partners are jointly developing the technology to improve energy efficiency and environmental performance in integrated biorefineries.