

Richard DiMaio

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Professional Overview

As a professional meteorologist since 1985, I have been employed as a Flight Operations Aviation Meteorologist at United Airlines, Broadcast Meteorologist at WFLD Chicago and CBS2 Chicago.

I am currently a college professor of Aviation Meteorology, Weather and Climate, Natural Disasters and Climate Change at five local colleges.

I recently authored a two volume, 22 chapter fully online textbook on Aviation Meteorology. I can be heard providing expert analysis on all types of weather on WGN Radio.

I am also a contracted meteorologist for TOVAR Snow Professionals and perform forensic expert testimony as needed. I also provide and deliver daily radio weather forecasts for WJOL 1340AM, the largest station in Will County, Illinois. I am also the weekly voice of weather and climate for the Mike Novak Environmental Science Show since 2008.

Core Qualifications

I can do just about anything in the field of meteorology from aviation, operational forecasts for winter weather, television and radio, college instruction and environmental sustainability.

I have obtained a Graduate Certificate in GIS (Geographic Information Science), which allows a visual plot of data on top of data and then allows a user to extract metadata from each point. This is the wave of the future for plotting severe weather and integrating it with Social Media networks.

Accomplishments

I have been awarded the Annual Flight Operations Division Award for outstanding service to United Airlines Meteorology Department. I helped devise strategic methods for forecasting meso-scale weather conditions for United's Shuttle Operation and the new Denver Airport.

As Chief Meteorologist at Fox News Chicago, I streamlined and implemented an entirely new graphics package and was responsible for all

content and training. I attended annual meetings related to Severe Weather, Hurricanes, and Broadcast Meteorology. I assisted in implementing station-wide training in severe weather spotting and was later nominated for a Midwest Emmy for excellence in on-air presentation and a severe weather special.

As an adjunct college professor, I oversee Lewis University's Aviation Meteorology. I also teach in the Physics Department and am a consultant to the campus TV News Department. I was an integral part in obtaining a new graphical package for the station's news and weather broadcasts.

My next online textbook will be an introductory overview of meteorology with a focus on natural disasters and how it fits with our changing population and increased variations in climate.

Education

Bachelor of Science: Meteorology, 1985
University of Wisconsin - Madison, WI

Master of Science: Meteorology, 2012
Northern Illinois University - DeKalb, IL

Graduate Certificate: Geographic Information Science, 2012
Northern Illinois University - DeKalb, IL

Thesis/Dissertation

Master's Thesis researched the interaction of aircraft with convective turbulence verifying the GTG (Graphical Turbulence Guidance) and EDR (Eddy Dissipation Rate) as a diagnostic tool.

Experience

Aviation Meteorologist
December 1985 to June 1996
United Airlines - Elk Grove Village, IL

Broadcast Television Meteorologist
June 1995 to December 2012 , April – June 2017
WFLD & WBBM-TV - Chicago, IL

Broadcast Radio Meteorologist

August 2008 to July 2022

WJOL 1340AM – Joliet Illinois

Adjunct/Full Time Instructor

August 2007 to Current

Lewis University - Romeoville, IL

Part Time Faculty

August 1995 to May 2016

School of the Art Institute - Chicago, IL

Part Time Faculty

August 2008 to Current

Loyola University – Chicago IL

Part Time Faculty

August 1994 to Current

Columbia College – Chicago IL

Part Time Faculty

January 2009 to Current

Oakton Community College - Des Plaines, Illinois

Part Time Faculty

August 2016 to Current

College of Lake County - Grayslake, Illinois

Part Time Faculty

August 2021 to Current

Harper College – Palatine, Illinois

Fellowships and Awards

Operational Support Award United Airlines 1989

Flight Operations Division Award United Airlines 1992

Da Vinci Award for Excellence in Science Italian American Society 2000

Nomination for Midwest Emmy for On-Air Excellence 2005

Publications

Have written many tech articles for United Airlines on operational forecasting for domestic and international airports.

Aviation Weather Volumes 1 and 2

Publisher: Great River Learning, 2020

ISBN #: 9781644962756

Presentations

Over 500 presentations in last 25 years relating to aviation and broadcasting meteorology at various functions.

AMS Conference on Turbulence Boston, MA June 2012

NWA Annual Conference Madison WI October 2012

AMS Annual Conference Austin TX January 2013

Memberships/Scholarly Societies

American Meteorological Society (Current Member of Board of Higher Education and Conference Planning Board)

National Weather Association

Airline Dispatch Federation

American GIS Society (ESRI)