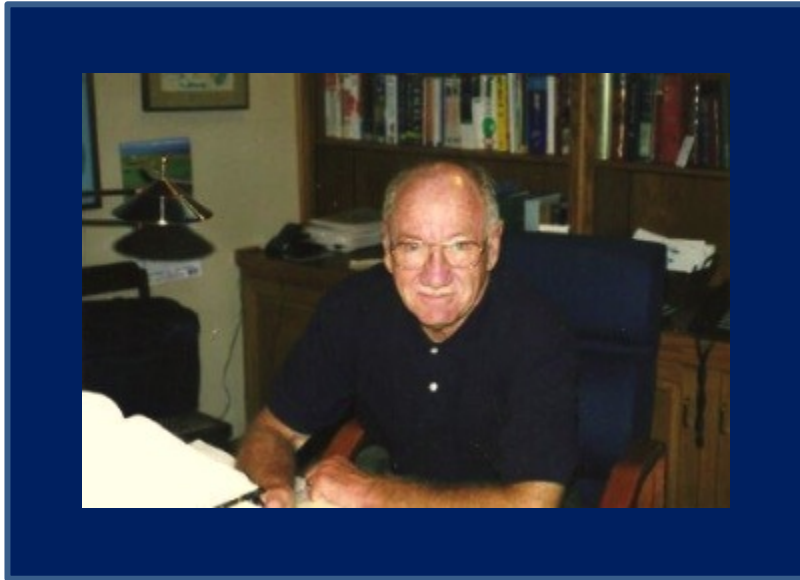


Celebrating the Life and Passion of
Dr. Gary E. Blau



Loving Husband, Devoted father,
Outstanding Scientist,
Mentor, Teacher, Friend

4 October 1940 – 30 January 2014

Dr. Gary Edward Blau was born on October 4, 1940 in Kitchener, Ontario Canada to Betty (Rauser) Blau and Edward Blau. He was raised in Canada, and received the B A Sc degree in Chemical Engineering from the University of Waterloo in Ontario in 1964. He continued graduate studies in the US at Stanford University, earning both MS and PhD in Chemical Engineering. Upon completing PhD studies in 1968, he joined the Dow Chemical Company in the Computational Research Laboratory in Central Research. He advanced through the research ranks, becoming head of the Process Math Modeling Group. In 1982 he took leave to serve as Associate Professor in the departments of Chemical Engineering and Engineering and Public Policy at Carnegie Mellon University. Returning to Dow a year later, he took on the role of technical manager and subsequently as associate scientist. In 1989 he moved to Indianapolis to Dow AgroSciences (then Dow Elanco) as Senior Advisor and Technical Leader of the Global Ag Math Modeling and Analysis Group. In 1993 he was named a Dow Fellow, the highest technical rank in the company. Upon retirement, Gary relaunched his academic career at Purdue University, first as Visiting Industrial Professor in Chemical Engineering and most recently in Industrial Engineering.

Dr. Blau's technical passion was in the development and application of mathematical and statistical modeling tools and computer-based optimization methods to improve the efficiency of industrial processes. As the result of a series of highly impactful process improvement projects, he became well recognized within Dow and the chemical engineering profession. He taught numerous short courses for Dow scientists and engineers around the world as well as to external audiences. He published well in the scientific literature and took on leadership roles in professional societies. For instance, he served as Chairman of the prestigious 1986 Gordon Research Conference on Statistics in Chemistry and Chemical Engineering and as Chair and Director of the Computing and Systems Technology Division of the American Institute of Chemical Engineers. He was a member of the editorial boards of Industrial and Engineering Chemistry Research and Computers & Chemical

Engineering and was an Industrial Trustee of the Computer Aids for Chemical Engineering (CACHE) Corporation.

To expand the use of the modeling, statistical analysis and optimization methodology within Dow, Dr. Blau led a development team which created the SimuSolv software package. SimuSolv was commercialized by Dow and thus made accessible to engineers and scientists worldwide. Upon joining the Dow Agricultural Products Department, he became involved in the experimental design and analysis of laboratory and field experiments for the design of agricultural products. These efforts were important to the establishment of conditions for the safe application and use of proposed new Dow products. His pioneering work in the use of pharmacokinetic and ecokinetic modeling was recognized by the EPA and FDA who frequently invited him to teach and advise on these important subjects.

Dr. Blau brought this extensive experience and deep technical expertise to the classroom when he joined Purdue in 1998, teaching courses in statistical modeling and analysis, risk management and advanced Bayesian methods. His courses were highly valued by students: he always motivated the methodologies he was teaching by leading with practical applications. Additionally he contributed to a number of research projects, including supply chain modeling and optimization, product development pipeline management, and catalyst design. He enjoyed using these research projects as opportunities for teaching by doing and was very effective at working along-side students or junior colleagues as guide and mentor. In recent years he energetically championed the use of models and Bayesian methodology in clinical medicine, specifically, to predict drug treatment regimen tailored to the characteristics of individual patients.

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4 October 1940 – 30 January 2014

Dr. Gary Edward Blau of West Lafayette, IN, passed away Thursday evening January 30, 2014 at IU Arnett Hospital, Lafayette, IN, from complications related to his long battle with multiple myeloma.

Gary was born October 4th, 1940 in Kitchener, Ontario Canada to the late Edward (Eddie) and Betty (Rauser) Blau of Ontario.

Gary was a devout Christian and lived his life with utmost integrity. He had a passion for life and making a difference in the world. He cared deeply for others and used his talents to help others realize their full potential. Gary was a wonderful and caring teacher and mentor who enjoyed teaching most by doing, by working along-side students or junior colleagues, at Dow AgroSciences, Carnegie-Mellon University and Purdue University.

Gary enjoyed spending time in the outdoors, traveling the world and spending summers and entertaining with his wife Jan at their summer home in Ontario.

Gary was raised in Canada and received his BA Sc degree in Chemical Engineering from the University of Waterloo, Waterloo Ontario Canada in Chemical Engineering and his MSc and PhD in Chemical Engineering from Stanford University. He retired from Dow AgroSciences in 1998 as a Dow Fellow and founded The Modeling Connection as President and CEO. He also held a position of Visiting Professor of Industrial Engineering at Purdue University.

Gary was a visionary that could apply the fundamentals of science and math to solve complex problems. He was energetically championing the use of models and Bayesian methodology to predict drug treatment regimen tailored to the characteristics of individual patients. His ultimate goal was to change the way that cancer patients' dose regimen was chosen to a way that tailored the dose to the individuals' personal needs. His ideas have been planted; may they take root.

He is survived by his wife Jan Myer Blau of West Lafayette, IN; three sons: James Blau, Timothy (Beth) Blau both of Michigan, Kenneth Blau of Wisconsin and five grandchildren, Kira, Luc, Kameron, Lily and Kyle of MI, all of whom he loved dearly.