



**A. I. E. E.**  
**CONFERENCE**  
on  
**INDUCTION MOTOR - COMPUTER**

**ENGINEERS' CLUB OF DAYTON**

**Dayton, Ohio**

**MAY 23, 1961**

Sponsored by  
**Fractional Horsepower Subcommittee**

and hosted by

**A.I.E.E. DAYTON SECTION**

Digital Computers in Fractional HP Motor Analysis is the subject for this one day conference.

Papers will discuss the design methods and procedures used by several motor manufacturers to predict by digital computers the performance characteristics of a specific  $\frac{1}{3}$  hp induction motor. The predictions then are checked against the actual results obtained from testing a motor built for the study.

**All Activities: registration, lunch, and programs will be held at the Dayton Engineers' Club—not the Biltmore Hotel as originally announced. However, room accommodations will be available at the Dayton Biltmore Hotel.**

**Registration Fees: Members \$5.00, Non-Members \$6.00, Students no charge.**

**Papers: \$3.00 per set.**

**Lunch: Tuesday, \$2.50 per person.**

## PROGRAM

### MONDAY, MAY 22

7:00-9:00 p.m. Advance Registration, Dayton Engineers' Club.

### TUESDAY, MAY 23

8:30-9:30 a.m. Registration, Dayton Engineers' Club.

9:30 a.m. Welcome—C. E. Huggins, Delco Products, Dayton Section Chairman.

**Auditorium—Engineers' Club.**

9:45 a.m. Morning Session—Auditorium

**Introduction—Robert W. Leland, Delco Products**

**Monitor—L. C. Schaefer, Century Electric Company.**

CP61-698. The Design of Single Phase Induction Motors Using a Digital Computer. L. W. Buchanan, T. F. Winters; Westinghouse Electric Corp.

CP61-699. Single Phase Motor Design Analysis by Digital Computer. C. G. Veinott, J. N. Vogelsong; Reliance Electric and Manufacturing Company.

CP61-700. A Computer Procedure for Single Phase Induction Motor Calculation and Design. K. F. Waldschmidt; A. O. Smith Corporation.

CP61-703. Computation of AIEE Sample Motor. F. W. Suhr; General Electric Company.

**12:00 Noon Lunch—Dayton Engineers' Club.**

### 1:30 p.m. Afternoon Session—Auditorium

**Introduction—Robert W. Leland, Delco Products Div.**

**Monitor—P. H. Trickey, Wright Machinery Company.**

CP61-701. Motor Design Calculations Using the IBM 650. D. E. Benedict; Delco Products Division, GMC.

CP61-702. Capacitor Start Induction Motor Design and Analysis by Computer. A. E. Hartman; Robbins & Myers, Inc.

CP61 Summary Report of Calculations Versus Tests. George Mueller; Robbins & Myers, Inc. Discussion.

Conference Chairman—  
Robert W. Leland.  
Delco Products Division, GMC

Conference Secretary—  
B. J. Pleiss,  
Delco Products Division, GMC

Conference Treasurer—  
Rufus Hawk,  
Delco Products Division, GMC

Technical Program—  
A. E. Hartman,  
Robbins & Myers, Inc.

Arrangements—  
J. M. Rodgers,  
Delco Products Division, GMC

Publicity—  
Russ Shoup,  
Insulation Manufacturers Corp.

Advisory—  
William Dynes,  
WPAFB  
I. M. Levy,  
Delco Products Division, GMC

**A.I.E.E. Headquarters**  
R. S. Gardner

MEMORANDUM

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