

# WINNIPEG SECTION

CELEBRATION

IEEE WINNIPEG SECTION  
50th ANNIVERSARY

Part 1 - 1  
OVERVIEW



IEEE Canada



# Commemorating 50 Years in Manitoba & NWO



IEEE



IEEE



University  
of Manitoba

# WINNIPEG SECTION

## OUTLINE

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
**Part 1 - 2**  
**OVERVIEW**

### ◇ **Part 1: Overview**

- What is IEEE?
- IEEE Winnipeg Section
  - > The Beginnings
  - > Accomplishments
    - Conferences
    - McNaughton Centre
    - IEEE Fellows
    - Editorship
    - Positions
  - > Awards
  - > Sponsors

### ◇ **Part 2: Winnipeg Section People (Present Executive)**

### ◇ **Part 3: Winnipeg Section People (Past Chairs)**



# IEEE WINNIPEG SECTION

## WHAT IS IEEE? (1)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY

Part 1 - 3  
OVERVIEW

### ◇ The Organization

- IEEE stands for  
**The Institute of Electrical and Electronics Engineers**
- Is the largest technical organization in the world,  
with over 380,000 members [cf. <http://www.ieee.org/>]
- IEEE had two predecessors:
  - The **American Institute of Electrical Engineers** (AIEE)  
established in New York on May 13, **1884**; and
  - The **Institute of Radio Engineers** (IRE) established in **1912**.
- These organizations were developed as a result of the theoretical and applied advances in: electrotechnology (e.g., arc lights and Edison's incandescent lights, as well as power-related equipment); and wired/wireless communications (e.g., telegraph, telephone, underwater cable between Europe and America, and radio).
- AIEE and IRE merged into IEEE on January 1, **1963**.



# IEEE WINNIPEG SECTION

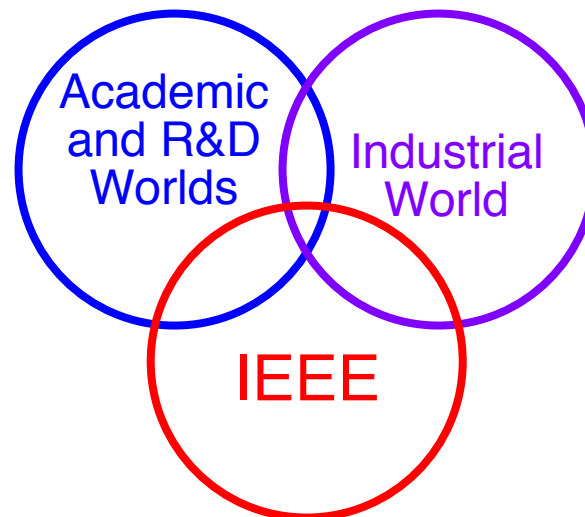
## WHAT IS IEEE? (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY

Part 1 - 4  
OVERVIEW

### ◇ Mission

- Dissemination of research
  - Journals
  - Conferences
  - Workshops
  - Meetings
- Education
  - Continuing education courses
- Standards



# IEEE WINNIPEG SECTION

## What is IEEE Canada & Winnipeg Section?

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 5  
OVERVIEW

### ◇ Region 7

- The world is subdivided into Regions
- Each Region is subdivided into Sections
- Each Section operates through Chapters of Societies

### ◇ Winnipeg Section Chapters

- Our Winnipeg Section (465 members, including 115 students) has the following chapters:
  1. Computer;
  2. Communications;
  3. Engineering in Medicine and Biology Society (EMBS);
  4. MANCOM  
(Engineering Management, EMS;  
Professional Communication, PCS;  
Education);
  5. Power Engineering Society (PES);
  6. WAVES  
(Microwave Theory & Techniques, MTT;  
Antennas & Propagation, AP, and Vehicular Technology, VT)
  7. GOLD Affinity Group
  8. Life Members Affinity Group

# IEEE WINNIPEG SECTION

## The Beginnings of the Winnipeg Section

IEEE WINNIPEG SECTION  
50th ANNIVERSARY

Part 1 - 6  
OVERVIEW

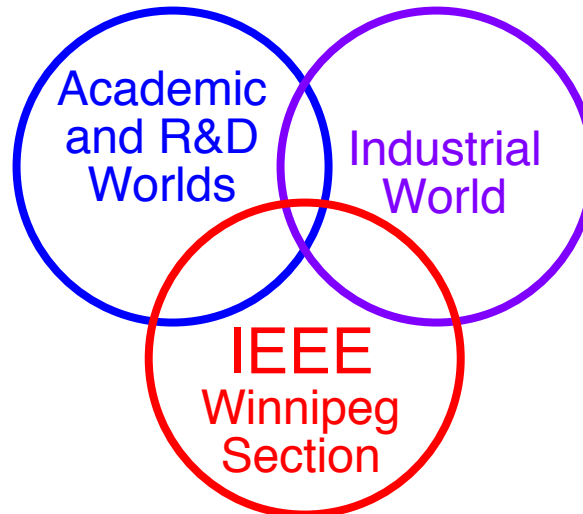
### ◇ Before 1953

- From **1947** to **1952**, Manitoba's technical electrical and electronics communities constituted a subsection of:
  - the AIEE Toronto Section (the oldest section in Canada, established September 30, **1903**).

### ◇ Inception

- On August 18, **1953**, the Winnipeg Section became autonomous under IRE.

–University of Manitoba  
–Red River College  
–Atomic Energy of Canada



–Manitoba Hydro  
–Westinghouse  
–Carte Electric  
–Pioneer Electric  
–Teshmont  
–MTS  
–Motorola  
–RCA  
–Vansco



# IEEE WINNIPEG SECTION

## Student Branches

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 7  
OVERVIEW

### ◆ **McNaughton Student Centres**

(Established by Ed Shwedyk and Ted Glass)

- University of Manitoba
- Red River College
- Lakehead University

### ◆ **Student Branch Chapters**

- Engineering in Medicine and Biology Society (EMBS)  
(University of Manitoba, since 2002)  
(Lisa Lazareck)
- Robotics  
(Eric Haapamaki)



# IEEE WINNIPEG SECTION

## Conferences in Winnipeg (1)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 8  
OVERVIEW

### ◆ International (1)

- 1980 IEEE International Conference on Overvoltages and Compensation on Integrated AC-DC Systems (M. Tarnawcky, UofM; Chair)
- 1987 IEEE International Professional Communication Conference, IPCC 1987
  - Printed Conference Record (1 volume) (Ron Blicq, RRC; Chair)
- 1993 International Conference on Refereed Electronic Journals; Delta Winnipeg Hotel, October 1-2, 1993
  - Printed Conference Proceedings (ISBN 0-010032-02-9, 252 pp.) (W. Kinsner, UofM; Co-convenor)
- 2001 14th International Conference of the Society for Disability Studies, SDS 2001; The Winnipeg Convention Centre; June 20 to 23, 2001
  - 350 delegates from 20 countries
  - Electronic Proceedings on the Web site (W. Kinsner, ed.) (H. Enns; SDS; Chair)





# IEEE WINNIPEG SECTION

## Conferences in Winnipeg (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 9  
OVERVIEW

### ◆ International (2)

- 1986 Biennial Conference on Computational Electromagnetics and Antenna Technology, ANTEM 1986
  - Printed Conference Record (1 volume)  
(Moe Barakat, NRC; Chair)
- 1988 ANTEM 1988
  - Printed Conference Record (1 volume)  
(Moe Barakat, NRC; Chair)
- 1990 ANTEM 1990
  - Printed Conference Record (1 volume)  
(Yahia Antar, Royal Military College; Chair)
- 1992 ANTEM 1992
  - Printed Conference Record (1 volume)  
(Prakash Bhartia, Defence Research Establishment; Chair)
- 2001 ANTEM 1992
  - Printed Conference Record (1 volume)  
(Ernie Bridges, UofM; Chair)



# IEEE WINNIPEG SECTION

## Conferences in Winnipeg (3)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 10  
OVERVIEW

### ◆ National (Canada)

- 1982 Microelectronics Conference and Exhibition, MICONEX 1982
  - 5-day conference (W. Kinsner, UofM; Convenor & Chair)
- 1983 Microelectronics Conference and Exhibition, MICONEX 1983
  - 3-day conference (W. Kinsner, UofM; Chair)
  
- 2002 IEEE Canadian Conference on Computer and Software Engineering Education, C3SEE 2002;  
University of Manitoba, Winnipeg, MB; May 16-17, 2002
  - Printed Conference Proceedings (1 volume; 198 pp.)
  - Web site  
(W. Kinsner, UofM; Convenor & Chair)
  
- 2002 IEEE Canadian Conference on Electrical and Computer Engineering, CCECE 2002;  
Hotel Fort Garry, Winnipeg, MB; May 12-15, 2002 (first ever here)
  - 300 papers from 22 countries and 380 attendees
  - Printed Conference Proceedings  
(3 volumes: ISBN: 0-7803-7514-9; 1981 pages)
  - Electronic Conference Proceedings (1 CD-ROM)
  - Web site: <http://ewh.ieee.org/soc/ccece02/>  
(W. Kinsner, UofM; Chair)



# IEEE WINNIPEG SECTION

## Conferences in Winnipeg (4)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY

Part 1 - 11  
OVERVIEW

### ◇ CCECE 2002 (Cont'd)



### ◇ Major Sponsors

- Dept of Electrical & Computer Eng
- Faculty of Graduate Studies
- University of Manitoba
  
- IEEE Winnipeg Section
- IEEE Canada
- IEEE
  
- Manitoba Hydro
- Western Diversification
- TR Labs
- Vansco Electronics
- Amai Technologies
  
- Internet Innovation Centre
- Norsat
- NRC Inst. for Biodiagnostics
  
- Bristol Aerospace Limited
- Nygård International
- APEGM

### ◇ Sponsors

- NxtPhase
- Active Electronics
- Red River College
  
- Manitoba HVDC Research Centre
- Embedded Solutions
  
- Institute of Industrial Math. Sciences
- ISIS Canada
  
- Finjan (Klezmer Music)



# IEEE WINNIPEG SECTION

## Conferences in Winnipeg (5)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 12  
OVERVIEW

### ◆ Regional (Western Canada)

- 1995 IEEE Western Canada Conference and Exhibition on Power, Computers and Communications, WESCANEX 1995; Delta Winnipeg Hotel, Winnipeg, MB; May 15-16, 1995
  - Printed Conference Proceedings (1 volume: ISBN 0-7803-2725-X, 515 pp.)
  - Printed Conference Proceedings (CD-ROM: ISBN 0-7803-2741-1) (W. Kinsner, UofM; Chair)
- 1997 IEEE Western Canada Conference and Exhibition on Power, Computers and Communications, WESCANEX 1997; University of Manitoba, Winnipeg, MB; May 22-23, 1997
  - Printed Conference Proceedings (2 volumes: ISBN 0-7803-4147-3; 351 pp.) (W. Kinsner, UofM; Chair)



# IEEE WINNIPEG SECTION

## Conferences in Winnipeg (6)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 13  
OVERVIEW

### ◆ Local (Winnipeg)

- 1998 Graduate Student Conference, GRADCON 1998
  - Printed Conference Record (71 pp.)  
(W. Kinsner, UofM; Convenor & Chair)
- 1999 GRADCON 1999
  - Printed Conference Record (40 pp.)  
(W. Kinsner, UofM; Chair)
- 2000 GRADCON 2000
  - Posters throughout the year.  
(W. Kinsner, UofM; Chair)
  
- 2001 GRADCON 2001
  - Posters throughout the year.  
(G. Bridges, UofM; Chair)
- 2002 GRADCON 2002
  - Posters throughout the year.  
(G. Bridges, UofM; Chair)
- 2003 GRADCON 2003
  - Posters throughout the year.  
(G. Bridges, UofM; Chair)

# IEEE WINNIPEG SECTION

## Other Accomplishments (1)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 14  
OVERVIEW

### ◆ **McNaughton Student Centre (UofM)**

- Established in 1978
  - First in the world;
  - The centres are now active in many universities.
- The Concept's Architects
  - Ed Shwedyk, UofM
  - Ted Glass, Westinghouse
- Students instrumental in setting the McNaughton Centre at UofM
  - Jim Hjartarson (BNR after graduation)
  - Soubhi Chebib (IBM)
- Other students critical in setting the McNaughton Centre at UofM
  - Andy Weirich (BNR)
  - Harvey Fabijanic (Northern Telecom)
  - Gord Cummin



# IEEE WINNIPEG SECTION

## Other Accomplishments (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 15  
OVERVIEW

### ◆ IEEE Fellows

- Prof. Ed Kuffel (UofM, Electrical & Computer Engineering)
- Prof. Lot Shafai (UofM, Electrical & Computer Engineering)
- Prof. Howard Card (UofM, Electrical & Computer Engineering)
- Prof. Ioan Ciric (UofM, Electrical & Computer Engineering)
- Dr. Mohamed M. Rashwan (TransGrid Solutions)
- Prof. Wooil Moon (UofM, Geological Sciences)



# IEEE WINNIPEG SECTION

## Other Accomplishments (3)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 16  
OVERVIEW

### ◇ Editorship of Journals

- Technostyle, Journal of the Canadian Association of Teachers of Technical Writing  
Prof. Anne Parker, UofM, Electrical & Computer Engineering
  - Editor, 1991-1994;
  - Associate Editor, 1990
- IEEE Transactions on Antennas and Propagation  
Prof. Lot Shafai, UofM, Electrical & Computer Engineering
  - Associate Editor, 1991 - 1995
- IEEE Transactions on Wireless Communications  
Prof. Ekram Hossein, UofM, Electrical & Computer Engineering
  - Editor, since 2002
- IEEE Canadian Journal on Electrical and Computer Engineering  
Prof. Witold Kinsner, UofM, Electrical & Computer Engineering
  - Editor, since 2003





# IEEE WINNIPEG SECTION

## Other Accomplishments (4)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 17  
OVERVIEW

### ◆ IEEE Canada Presidents / Region 7 Directors

- Mr. Ted Glass (Westinghouse Canada)
- Mr. Dave Kemp (Manitoba Telecom Services)

### ◆ IEEE / IEEE Canada / Western Canada Council Positions

- Mr. Dave Kemp; IEEE Secretary, WCC Chair (Consultant)
- Dr. Hilmi Turanli; Treasurer (Manitoba Hydro)
- Prof. Abdel Sebak; CONAC (UofM, Electrical & Computer Engineering)
- Prof. Witold Kinsner; CJECE (UofM, Electrical & Computer Engineering)



### ◇ Manitoba Recipients

- IEEE Centennial Awards
- IEEE Millennium Awards
- Ted Glass Memorial Award  
(Now: Ted Glass Western Canada Merit Award)
- PES Best Chapter Award
- Waves Best Chapter Award
- UofM Outstanding Student Branch Award
- McNaughton Outstanding Student Centre Award

# IEEE WINNIPEG SECTION

## Awards (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY

Part 1 - 19  
OVERVIEW

### ◆ Manitoba Student Recipients

- Annual Winnipeg Section Student Thesis Awards  
(April 16, 2003)



# IEEE WINNIPEG SECTION

## Major Supporters (1)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 20  
OVERVIEW

### ◇ Industrial Companies

- Manitoba Hydro
- Carte Electric
- Westinghouse
- Pioneer Electric
- Teshmont
- Hudson Bay Company
  
- MTS (under the previous name: Manitoba Telephone System)
- Motorola
- RCA
  
- Lockheed-Martin
- Vansco Electronics
- Magellan-Bristol Aerospace
- IMT (InfoMagnetics)
- Power & Mine Supply
- Northrop Engineering
- Winnipeg Transit
- Air Canada



# IEEE WINNIPEG SECTION

## Major Supporters (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 21  
OVERVIEW

### ◇ R&D Institutions

- TRILabs (Telecommunications Research Laboratories)
- IBD (Institute for Biodiagnostics)
- NRC (National Research Council of Canada)
- AECL (Atomic Energy of Canada Laboratories)
- Winnipeg Health Sciences Centre
- ITC (Industrial Technology Centre)
- Manitoba HVDC Research Centre
- IIMS (Institute of Industrial Mathematical Sciences)



# IEEE WINNIPEG SECTION

## Major Supporters (3)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 1 - 22  
OVERVIEW

### ◇ Educational Institutions

- University of Manitoba
- Red River College (and Red River Community College)
- Assiniboine Community College, Brandon
- Lakehead University
- Manitoba Department of Education and Training
- UNESCO Vocational Centre





# 2003 SECTION EXECUTIVE Officer Bearers (1)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 1  
TODAY'S EXECUTIVE

## ◆ Section Chair

- Dr. Derek Oliver; UofM (University of Manitoba),  
DECE (Department of Electrical & Computer Engineering)



## ◆ Section Vice Chair

- Mr. Gerry Geall; Ecol Electric Utility Sales



## ◆ Section Secretary

- Dr. Pradeepa Yahampath  
UofM, DECE



# SECTION EXECUTIVE

## Officer Bearers (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 2  
TODAY'S EXECUTIVE

### ◆ Section Treasurer

- Dr. Udaya Annakkage; UofM, DECE



### ◆ Section Past Chair

- Mr. Bob Dueck; RCC, Computer Engineering Technology





# SECTION EXECUTIVE

## Chapters and Affinity Groups (1)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 3  
TODAY'S EXECUTIVE

### ◇ **Communications Chapter**

- Dr. Witold Kinsner; UofM, DECE



### ◇ **Computer Chapter**

- Dr. Dean McNeill; UofM, DECE



### ◇ **EMBS Chapter (Engineering in Medicine & Biology Society)**

- Dr. Zahra Moussavi; UofM, DECE



# SECTION EXECUTIVE

## Chapters and Affinity Groups (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 4  
TODAY'S EXECUTIVE

### ◇ MANCOM Chapter

- Dr. Anne Parker; UofM, DECE



### ◇ PES Chapter

- Ms. Robyn Taylor; Teshmont Consultants



### ◇ WAVES Chapter

- Dr. Joe LoVetri; UofM, DECE



# SECTION EXECUTIVE

## Chapters and Affinity Groups (3)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 5  
TODAY'S EXECUTIVE

### ◇ **GOLD Affinity Group**

- Ms. Dawn Nedohin-Macek; Manitoba Hydro



### ◇ **LIFE Affinity Group**

- Mr. Dave Kemp



# SECTION EXECUTIVE

## Student Branches & Counsellors (1)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 6  
TODAY'S EXECUTIVE

### ◇ RRC Student Branch

- Mr. Rahul Thadani



### ◇ U of M Student Branch

- Mr. Eric Haapamaki; UofM, DECE

### ◇ EMBS Student Chapter

- Mr. Michael Potter; UofM, DECE



# SECTION EXECUTIVE

## Student Branches & Counsellors (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 7  
TODAY'S EXECUTIVE

### ◆ Student Activities

- Dr. Cyrus Shafai; UofM, DECE



### ◆ U of M Student Branch Counselor

- Dr. Witold Kinsner; UofM, DECE  
(as seen before)

### ◆ Lakehead Univ. Student Counsellor

- Dr. Abdelhamid Tayebi



# SECTION EXECUTIVE

## Student Branches & Counsellors (3)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 8  
TODAY'S EXECUTIVE

### ◆ RRC Student Branch Counselor

- Mr. Bob Dueck; RCC, Computer Engineering Technology  
(as seen before)

### ◆ Assiniboine Community College Student Counselor

- TBA

# SECTION EXECUTIVE

## Committees at Large (1)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 9  
TODAY'S EXECUTIVE

### ◇ Audit Committee

- Dr. Jagdish Chand; Manitoba Hydro



### ◇ History & Archives Committee

- Mr. Alan Forrest; Teshmont Consultants



### ◇ Industry Liaison

- Dr. Jose Rueda; TRILabs



# SECTION EXECUTIVE

## Committees at Large (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 2 - 10  
TODAY'S EXECUTIVE

### ◇ Inter-Society Relations

- Dr. Sandra Ingram; UofM, DECE



### ◇ Professional Activities

- Dr. Hilmi M. Turanli; Manitoba Hydro



### ◇ Newsletter & Publicity

- Mr. Gerry Geall;  
Ecol Electric Utility Sales

### ◇ WWW Site & Education

- Dr. Witold Kinsner; UofM, DECE  
(as seen before)





# PAST CHAIRS

## OVERVIEW

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 1  
PAST CHAIRS

### ◇ Election of Chairs

- The Winnipeg Section elects a Section Chair each January at the Annual General Meeting.

### ◇ Mandate

- The mandate of a Chair is for a one year period only in order to obtain diverse input from the Winnipeg community, including:
  - Academic,
  - R&D, and
  - Industrial.

### ◇ People Make the IEEE

- Here is a list of the Past Chairs of the IEEE Winnipeg Section (compiled with the help of Dave Kemp).

2000

1990

1980

1970

1960

1950

1

IEEE Winnipeg Section



WK with input from DK;  
September 2003; v.1.8

14

# PAST CHAIRS

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 2  
PAST CHAIRS

Faces (1)

◇ **2002**

- Mr. Bob Dueck; RRC, Computer Engineering Technology



◇ **2001**

- Dr. Cyrus Shafai; UofM, Dept. Electrical & Computer Eng.



◇ **2000**

- Dr. Hilmi M. Turanli;  
Manitoba Hydro



# PAST CHAIRS

Faces (2)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 3  
PAST CHAIRS

## ◇ 1999-2000

- Dr. James F. Peters; UofM, Dept. Electrical & Computer Eng.



## ◇ 1998-1999

- Dr. Witold Pedrycz; UofM, Dept. ECE



## ◇ 1997-1998

- "Mr. Lester M. Glantz; Consultant



# PAST CHAIRS

Faces (3)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 4  
PAST CHAIRS

## ◇ 1996-1997

- Dr. Abdel Sebak; UofM, Dept. Electrical & Computer Eng.



## ◇ 1995-1996

- Dr. Moe Barakat; InfoMagnetics



## ◇ 1993-1995

- "Mr. Andrew A. Drobot

# PAST CHAIRS

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 5  
PAST CHAIRS

Faces (4)

## ◇ 1992-1993

• Mr. J. Alan Forrest; Teshmont



## ◇ 1991-1992

• Mr. James Cross; Carte Electric

## ◇ 1990-1991

• Dr. Witold Kinsner;  
UofM, Dept. ECE



# PAST CHAIRS

Faces (5)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 6  
PAST CHAIRS

## ◇ 1989-1990

- Dr. Jagdish Chand; Manitoba Hydro



## ◇ 1988-1989

- Dr. Dido Diseko; Teshmont



## ◇ 1987-1988

- Dr. Ioan M.R. Ciric;  
UofM, Dept. ECE



# PAST CHAIRS

Faces (6)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 7  
PAST CHAIRS

## ◇ 1986-1987

- Mr. Lester Glantz

## ◇ 1985-1986

- Paul Gordon; Manitoba Hydro

## ◇ 1984-1985

- Bob Kolt; Manitoba Hydro



## ◇ 1983-1984

- Greg Stetski; Genesis Storytime

## ◇ 1982-1983

- B. Ram; Pioneer Electric

## ◇ 1981-1982

- Brian Klaponski; Carte Electric

# PAST CHAIRS

Faces (7)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 8  
PAST CHAIRS

## ◇ 1980-1981

- Mr. Dennis Woodford; Manitoba Hydro



## ◇ 1979-1980

- Prof. Mike Tarnawecky; UofM, Dept. ECE

## ◇ 1978-1979

- Mr. John Lewis; Power & Mine Supply





# PAST CHAIRS

Faces (8)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 9  
PAST CHAIRS

## ◇ 1977-1978

• Mr. Dave Kemp; MTS



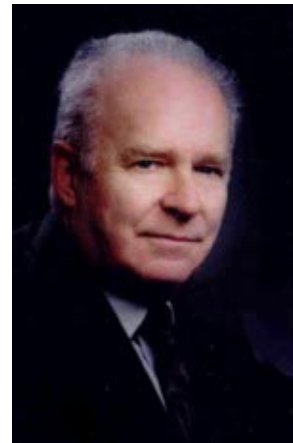
## ◇ 1976-1977

• Dr. Steve Onyshko; UofM, Dept. ECE



## ◇ 1975-1976

• Mr. Ted Glass; Can. Westinghouse



# PAST CHAIRS

Faces (9)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 10  
PAST CHAIRS

## ◇ 1974-1975

- Mr. Dick Haywood; Atomic Energy of Canada, AECL

## ◇ 1973-1974

- Mr. Alf Leite; Red River Community College

## ◇ 1972-1973

- Mr. Gerry Wallace; Can. Broadcasting Co., CBC

## ◇ 1971-1972

- Mr. Jack Iliffe; Manitoba Hydro



## ◇ 1970-1971

- Mr. Bruce McDonald; UofM

## ◇ 1969-1970

- Mr. Allan Robbins  
Red River Community College

# PAST CHAIRS

Faces (10)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 11  
PAST CHAIRS

## ◇ 1968-1969

- Mr. Murray Fraser; Manitoba Hydro



## ◇ 1967-1968

- Mr. Tom White; UofM

## ◇ 1966-1967

- Mr. R. Punchon; Can. Broadcasting Co., CBC

## ◇ 1965-1966

- Mr. Ken Roulston; UofM

## ◇ 1964-1965

- Mr. Ken Williamson;  
Manitoba Hydro

## ◇ 1963-1964

- Mr. Mike Sawka;  
Red River Community College

# PAST CHAIRS

Faces (11)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 12  
PAST CHAIRS

## ◇ 1962-1963

- Prof. Ernie Bridges; UofM, Dept ECE

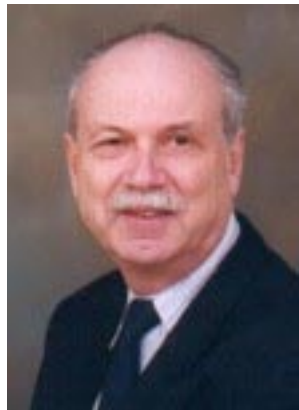


## ◇ 1961-1962

- Mr. W. Galpin; Motorola

## ◇ 1960-1961

- Mr. Peter Windreck; Motorola



## ◇ 1959-1960



- Prof. Richard Johnson; UofM, Dept ECE

## ◇ 1958-1959

- Mr. Jack Hooper;  
Motorola

## ◇ 1957-1958

- Mr. Cy Hopper;  
Motorola

# PAST CHAIRS

Faces (12)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 13  
PAST CHAIRS

## ◇ 1956-1957

- Mr. Bert Wormell; AEI

## ◇ 1955-1956

- Mr. Bob Simister; Winnipeg Transit

## ◇ 1954-1955

- Mr. H. Haakonsen; UofM

## ◇ 1953-1954

- Mr. John Greenaway; CAE

## ◇ 1952-1953

- Mr. Bob Tinkler;  
Manitoba Telephone System

## ◇ 1951-1952

- Mr. Harold Ferris;  
Air Canada

# PAST CHAIRS

Faces (13)

IEEE WINNIPEG SECTION  
50th ANNIVERSARY  
Part 3 - 14  
PAST CHAIRS

## ◇ 1950-1951

- Mr. George Horner; Hudson Bay Company

## ◇ 1949-1950

- Mr. Roy Cahoon; CBC

## ◇ 1948-1949

- Mr. S. Stevens; Air Canada

## ◇ 1947-1948

- Mr. Wes Fisher; RCA