

# **PROGRAM**

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**Day 1: December 12, Tuesday**

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## **MORNING**

**Registration**

9:00- 9:30 **Registration**

**Welcome & Opening**

9:30- 9:45 **Welcome & Opening**

*Prof. dr. R. Kaptein,*

*General Secretary of the KNAW*

**Session 1: Voids in Cosmic Perspective**

9:45- 10:45 ***Jim Peebles:***

*The Void Problem*

**Coffeebreak**

**Session 2: Voids and the Cosmic Web**

11:15-11:50 ***Tony Fairall:***

*Voids in the 6dF galaxy survey*

11:50-12:25 ***Volker Mueller:***

*Void Statistics and Galaxies in 2dF*

12:25-14:00 **Lunch (Trippenhuis)**

## **AFTERNOON**

**Session 3: Voids and Galaxy Surveys**

14:00-14:35 ***Pirin Erdogdu/John Huchra:***

*The 2MASS redshift survey*

14:35-15:10 ***Igor Karachentsev:***

*Minivooids in the Local Volume*

15:10-15:45 ***Martha Haynes:***

*ALFALFA: the Legacy Extragalactic HI survey*

**Teabreak**

16:15-16:50 ***Riccardo Giovanelli:***

*ALFALFA: Preliminary Results of the Legacy Extragalactic HI survey*

**Session 4: Void Identification & Statistics**

16:50-17:25 ***Sophie Maurogordato:***

*The Void Probability Function: a Review*

## **EVENING**

17:30-18:30 ***Reception (Trippenhuis)***

## Day 2: December 13, Wednesday

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### MORNING

#### Session 5: Void Simulations

- 9:15- 9:50 **Joerg Colberg:**  
*VOIDS in the Millennium Simulation*
- 9:50-10:25 **Stefan Gottloeber:**  
*Void Growth in Dark Matter Simulations*
- 10:25-11:00 **Frazer Pearce:**  
*Deep Voids in the Millennium Simulation*

### Coffeebreak

#### Session 6: Void Evolution

- 11:30-12:05 **Manolis Plionis:**  
*Morphological and Dynamical Properties of  
DM halos found in voids*
- 14:55-15:30 **Eniko Regoes:**  
*VOIDS in Lambda Universes*
- 12:40-14:00 **Lunch (Trippenhuis)**

### AFTERNOON

#### Session 7: Void Models

- 14:00-14:35 **Ravi Sheth:**  
*Excursions into Hierarchical Void Formation*
- 14:35-15:10 **Erwin Platen:**  
*The Void Patch Formalism*

#### Session 8: Galaxies and Void Environment

- 15:10-15:45 **Michael Vogelej:**  
*VOIDS and the SDSS redshift survey*

### Teabreak

- 16:15-16:50 **Eelco van Kampen:**  
*VOIDS and Void Galaxies*
- 16:50-17:25 **Peder Norberg:**  
*Environmental Influence on Galaxy Formation:  
semi-analytical modeling & the Millennium simulation*
- 17:25-18:00 **Avishai Dekel:**  
*Quenching from Blue to Red Galaxies:  
the role of cosmic environment*

### EVENING

- 19:00-20:00 **Canal Boat tour**

## Day 3: December 14, Thursday

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### MORNING

#### Session 9: Void Dynamics and Evolution

- 9:00- 9:35 **Pirin Erdogdu:**  
*Density and Velocity Fields in the 2MASS survey*
- 9:35-10:10 **Roman Juszkiewicz:**  
*Large Scale Velocity Flows & Void Influence*
- 10:10-10:45 **Brent Tully:**  
*Where do Dwarfs Live: the Local Void*

### Coffeebreak

#### Session 10: Voids and Intergalactic Gas

- 11:15-11:50 **John Stocke:**  
*Baryons In Voids*
- 11:50-12:25 **Jelle Ritzerveld:**  
*Simulating Reionization: Filling the Voids*

#### 12:25-14:00 Lunch (Trippenhuis)

### AFTERNOON

#### Session 11: Galaxies and Void Environment

- 14:00-14:35 **Gustavo Yepes:**  
*Simulating Galaxy Formation in Cosmic Voids*
- 14:35-15:10 **Miguel Aragon-Calvo:**  
*Galaxy alignments and the Cosmic Web*
- 15:10-15:45 **Cristiano Porciani:**  
*Dark Matter Haloes in the Cosmic Web*

### Teabreak

#### Session 12: Voids & Clusters

- 16:10-16:45 **Jaan Einasto:**  
*The evolution of galaxies in voids and superclusters*
- 16:45-17:20 **Antonaldo Diaferio**  
*Mass and Light in the Outer regions of galaxy clusters*

### EVENING

- 19:30-22:30 **Conference Dinner**  
**Indonesian Restaurant "Indrapura"**  
**Rembrandtplein**

## Day 4: December 15, Friday

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### MORNING

#### Session 13: Void Formation and Dynamics

- 9:00- 9:35 **Rien van de Weygaert:**  
*Cosmic Flows around Voids: DTFE analysis of cosmic velocity fields*
- 9:35-10:10 **Jounghun Lee:**  
*An Analytic Model for the Tidal Effect on Cosmic Voids*
- 10:10-10:45 **Yehuda Hoffman:**  
*Constrained Simulation of the Local Universe: Simulating Nearby Voids*

### Coffeebreak

#### Session 14: Galaxies and Void Environment

- 11:15- 11:50 **Matthias Hoeft :**  
*Dwarf Galaxy Formation: suppressing star formation with photo-heating*
- 11:50-12:25 **Darren Croton:**  
*AGNs in voids at  $z \sim 1$*
- 12:25-13:45 **Lunch (Trippenhuys)**

### AFTERNOON

#### Session 15: Void Models & Analysis

- 13:45-14:20 **Vincent Icke:**  
*An analytic solution for the growth of Voronoi voids*
- 14:20-14:55 **Jose Gaite:**  
*The hierarchy of cosmic voids*

### Teabreak

#### Session 16: Voids and Cosmology

- 15:25-16:00 **Mark Neyrinck**  
*Cosmological Information in the Matter Power Spectrum and in Void Statistics*
- 16:00-16:35 **Joe Silk:**  
*Local Voids and the CMB*

#### Session 17: Conference Summary

- 16:45-17:15 **Bernard Jones:**  
*Summarizing Nothing ... ?*

The scientific organizing committee consists of the following 5 members:

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