Some years ago, we decided to develop new methods to cope with the nation's energy conservation problems. Our ASE® system, a public utility load management system, utilizes advanced communication techniques to transmit signals from the utility to the consumer and back over the utility power lines. As opportunity to remain in it without sacrificing in any way your financial future.

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AS&E® system, a public utility load management system, utilizes advanced communication techniques to transmit signals from the utility to the consumer and back over the utility power lines. As opportunity to remain in it without sacrificing in any way your financial future.

AS&E's preeminent role in the development of X-Ray technology has lead to a whole family of new products. In the Medical X-Ray field, we developed the most advanced CT Scanner, and we are now in the relatively early stages of developing a whole new family of Medical X-Ray equipment using digital technology. This new approach to X-Ray technology will change data storage procedures, will drastically reduce radiation dose to the patient (a factor of 10), and will allow the physician to increase the number of discerned density levels in the patient's X-Ray picture from the current 20-60 to as many as 1000.

AS&E is right here in the Boston area with two locations not far from Harvard Square in Arlington and Cambridge. We are a part of the intellectual, engineering and scientific community of this area. If you like this community, here is an opportunity to remain in it without sacrificing in any way your financial future.

We need people to help us in all of these fields. For example:

**ELECTRONIC ENGINEERS**
Solve challenging problems in analog, digital and microprocessor circuit design for space science instruments. If you are inventive and don't mind challenging work, give us a call.

**MECHANICAL ENGINEERS**
Join in the research and development design of mechanical systems or spaceborne experiments in astronomy. Tasks use the latest engineering tools to design and analyze structures and optomechanical systems.

**SENIOR SYSTEMS ENGINEERS**
Contribute to the development of state of the art space instruments. Participate in system design, program planning, and integration activities for our new Solar Polar Mission as well as other spacecraft programs.

**RELIABILITY ENGINEERS**
Investigate how suitable materials and electronic parts are for the stringent requirements of space exploration. Help set the criteria that assure a long-lived and successful mission.

**SOFTWARE ENGINEERS**
Develop software for real-time control of satellite-based solar physics instruments. Microcomputer Assembly language is used as well as higher level language.

**SALES / MARKETING ENGINEERS**
Be a primary contributor to our group of top professionals marketing AS&E's industry-leading Utility Load Management Systems. Technically oriented background will, of course, be helpful.

**PROGRAM MANAGER**
Oversee and control the operations of several new and on-going installations in the continuing expansion of our AS&E® Utility Load Management Program. An engineering background is desirable.

**EXPERIMENTAL PHYSICISTS**
Define and develop X-Ray astronomical instrumentation for the study of the solar corona. Work with grazing incidence optics, astrometric photograpy, charge coupled devices, and microprocessor control instrumentation.

We would like to have you come in and chat with us about any of these opportunities. To arrange an appointment, please call C. Lee Birling

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