VP & Principal Scientist  
The Weather Channel

Job Description
The Vice President and Principal Scientist of TWCC’s Global Forecasting Services is a high-level position responsible for the overall scientific development and implementation of new weather and forecasting technologies and services used throughout The Weather Channel Companies. This involves the management, inception, identification, development, and deployment of new weather content technologies that will be used by various TWCC platforms such as The Weather Channel Network, weather.com, Mobility, TWC Radio, WSI, EEC and others. The position manages a team of meteorologists, software engineers and scientists that conceive, create, implement and support technology, methods and paradigms that advance TWCC's leadership in the provisioning of weather and forecasting services to both the general public and B2B partners, on a worldwide level.

The position, based in Atlanta, has numerous direct reports potentially in multiple locations across the country and reports to the Senior Vice-President of TWCC's Global Forecasting Services. The position regularly interacts with stakeholders throughout the organization that depend on, consume, contribute to and use weather information in the delivery of TWCC's information and services to consumers and clients. Based on those interactions as well as their own insights, the Principal Scientist identifies needs and opportunities for new weather and forecasting information and services and then conceives of and implements solutions to realize those ideas. Problems are approached with both scientific integrity and pragmatic insight in order to develop solutions that are creative, sound, practical, robust, comprehensive, sustainable and enduring. The emphasis of this role is on innovation and in particular developing and delivering nascent technologies that continue to make TWCC the world leader in weather forecasting and content.

Specific Responsibilities:

Identify, through research, insight and interactions with the organization, opportunities and needs for new weather, forecasting and related content across all of TWCC.

Lead and manage a team of meteorologists, software engineers and product developers in applied research and development efforts that produce new weather content for all of TWCC's business divisions.

Propose, design and implement paradigms that bring these new data, services, systems, or products into operation and broad use.

Act as a consultant with TWCC groups that depend on and use weather information in their products to ensure effective delivery, integration, adoption and use of weather and forecasting data services in those products.

Champion new weather technologies within the organization. Publicize their value, propose new or innovative uses, lobby and convince stakeholders for accelerated adoption and assimilation of these new technologies.

Interact with external scientific and technical communities through publications, conferences and similar forums in order to maintain awareness of technological developments that may be of interest to TWCC, and to share TWCC technology with that community.

Specific Qualifications:
**Education:**
Ph.D. in the Atmospheric Sciences or related discipline, or the equivalent combination of education and experience.

**Experience:**
Minimum of 10 years experience in applied meteorology for operational use
Minimum of 5 years of experience managing technical research and development teams
Technical project management experience
Strong background in the software applications development process
Experience in working effectively in and with a multi-departmental organization
Well connected and involved with the US and worldwide weather enterprise community

**Skills:**
Comprehensive knowledge of meteorology, including operational applications, technologies and forecasting.
Thorough knowledge of operational weather information and data including numerical weather prediction, NWS/NOAA systems and platforms, telecommunications systems, observing systems and related technologies.
Demonstrated ability to create, conceive and implement novel technologies that advance weather and forecasting capabilities in a high-paced operational environment.
Ability to apply meteorological and technical capabilities in the creation of differentiated business solutions.
Deep understanding of the applied software development cycle including implementation and operation.
Effective management of diverse teams of technical personnel, including the motivation, development and mentoring of those teams.
Basic understanding of business concepts, operations, methods, motivations and requirements
Ability to communicate technical and meteorological concepts effectively to a broad spectrum of technical and non-technical personnel including direct reports, senior executives, product designers, software engineers, business staff, consumers and clients
Ability to produce technical documentation and presentations that describe complex or theoretical principals and technologies in concrete and understandable terms
Ability to create and demonstrate working prototypes of theoretical designs
Ability to balance numerous, often conflicting goals and priorities, and to accomplish multiple tasks under pressure
Knowledge of all relevant technical programming languages including Java, C, C++, Perl, Fortran as well as high-level technical development platforms such as MATLAB.
Working knowledge of Linux (or similar) and Windows environments.
Willingness to travel

**Behavior:**
A Weather Enthusiast
Highly motivated
Motivates others
Creative
Self directed
Leader of people
Eager and passionate in their work
Excellent communication skills
Works well in rapidly changing environments
Operates effectively across multiple disciplines
Works efficiently in diverse teams and organizations

**Hours**
The Weather Channel operates 24 hours a day, seven days a week. Hours worked by The Weather Channel associates will vary according to job responsibility and scheduling demands of each department.

**EEOC Statement**
The Weather Channel is an equal opportunity employer. We consider applicants for all positions without regard to race, color, sex, religion, national origin, age, sexual orientation, marital or veteran status, the presence of non-job related medical condition or handicap, or any legally protected status.

**Diversity Statement**
Diversity Council Mission: The Diversity Council, using the Four Approaches to Diversity model as a foundation, will work to educate, train, and communication ways to create an environment where each associate is valued as a full contributor in pursuit of organizational objectives.

**Relocation Statement**
Relocation costs are not provided for this job, by submitting a resume, candidates understand and acknowledge that The Weather Channel will not provide relocation assistance or support and that relocation will be entirely the responsibility of the candidate.